

江淮国际轻卡故障码库

HD_JAC_LIGHT DTC Library

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江淮国际轻卡专用故障码 V10. 06

HD_JAC_LIGHT DTC V10. 06

目录

1	N Series.....	4
1.1	Engine System.....	4
1.1.1	COMMINS ENGINE.....	4
1.1.2	4DA1-2B1 EUROIII DIESEL ENGINE.....	64
1.1.3	4DA1-2C EURO4 ENGINE.....	72
1.1.4	4DE1-1D EURO V DIESEL ENGINE.....	88
1.1.5	4DE1-1B EURO III DIESEL ENGINE.....	109
1.1.6	WP3 EURO IV DIESEL ENGINE.....	134
1.1.7	DIESEL ENGINE SYSTEM (WP3Q) EURO V.....	155
1.1.8	MF3.2(JND) EURO IV DIESEL ENGINE.....	176
1.1.9	MF3.2(JND) EURO V DIESEL ENGINE.....	183
1.1.9.1	MF3.2(JND) EURO V DIESEL ENGINE SYSTEM.....	183
1.1.9.2	TENNECO 7.1 DCU SYSTEM.....	190
1.1.10	Chao Chai Engine Series.....	192
1.1.10.1	Chao Chai Engine System.....	192
1.1.10.2	Chao Chai EURO V HFC4DF1 Syetem.....	239
1.1.10.2.1	4DF1 EURO V Diesel Engine.....	239
1.1.10.2.2	KAIWEISI SCR.....	260
1.1.11	YUNNEI Engine Series.....	261
1.1.11.1	YUNNEI D25 EURO IV Diesel Engine.....	261
1.1.11.2	YUNNEI D30 EURO V System.....	278
1.1.11.2.1	YUNNEI D30 EURO V Diesel Engine.....	278
1.1.11.2.2	YUNNEI D30 TCID CHINA V SCR.....	295
1.1.12	Quan Chai System.....	296
1.1.12.1	Quan Chai 4B1 EURO V Diesel Engine.....	296
1.1.13	Yu Chai System.....	310
1.1.13.1	Yu Chai YC4E160-48 EURO IV Diesel Engine.....	310
1.2	ABS.....	324
1.2.1	APG ABS.....	324
1.2.2	WABCO ABS.....	324
1.2.3	BOSCH ABS 8.....	354

1.2.4 KNORR ABS 8	355
1.2.5 YUNFENG ABS	360
1.2.6 WANAN ABS	361
1.3 BCM	362
1.3.1 BCM	362
1.3.2 LE17F_BCM	363
1.4 East Joylong Airbag	365
1.4.1 East Joylong Airbag System(KWP)	365
1.4.2 East Joylong Airbag System (CAN)	367
1.4.3 LE17F_ABM	368
1.5 ICM	374
1.5.1 N721 ICM	374
1.5.2 LE17F_ICM	374
1.6 E_CALL system module	375
1.6.1 ERA-GLONASS	375
1.7 APM	376
1.7.1 LE17F_APM	376
1.8 LDWS	377
1.8.1 LE17F_LDWS	377
1.9 ESP	382
1.9.1 LE17F ESP	382

1 N Series

1.1 Engine System

1.1.1 COMMINS ENGINE

- 0001 GCM AP sensor supply voltage circuit - Voltage Below Normal, or Shorted to Low Source
- 0018 GCM Both idle and off idle validation circuit - Voltage Above Normal, or Shorted to High Source
- 0021 GCM Both idle and off idle validation circuit - Voltage Below Normal, or Shorted to Low Source
- 0022 GCM Accelerator Pedal or Lever Position Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0023 GCM Accelerator Pedal or Lever Position sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0024 GCM switch and pedal disagree - Root Cause Not Known
- 0025 GCM Engine Speed Sensor - Data Valid but Above Normal Operational Range - Most Severe Level
- 0032 GCM Engine Speed Sensor - Data Erratic, Intermittent, or Incorrect
- 0034 GCM Vehicle Speed Sensor - Data Erratic, Intermittent, or Incorrect
- 0035 Data transmission error on vehicle datalinks pins no 8 and 15 of GCM J1 harness - Abnormal Update Rate
- 0036 Red Stop Lamp Circuit - Voltage Below Normal, or Shorted to Low Source
- 0037 GCM Integrated throttle actuator and sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0041 GCM Integrated throttle actuator and sensor circuit - Voltage Below Normal, or Shorted to Low Source
- 0043 GCM Integrated throttle actuator and sensor - Mechanical System Not Responding Properly or Out of Adjustment
- 0045 GCM Integrated throttle actuator and sensor - Mechanical System Not Responding Properly or Out of Adjustment
- 0047 Engine Control Module Critical internal failure - Bad Intelligent Device or Component
- 0111 Engine Timing Actuator is not responding to ECM commands - Mechanical System Not Responding Properly or Out of Adjustment
- 0112 Engine Timing Actuator Circuit - Voltage Above Normal, or Shorted to High Source
- 0113 Engine Timing Actuator Circuit - Voltage Below Normal, or Shorted to Low Source
- 0114 Engine Speed/Position Sensor Circuit lost both of two signals from the magnetic pickup sensor - Data Erratic, Intermittent, or Incorrect
- 0115 Fuel Timing Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0116 Fuel Timing Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0117 Fuel Delivery Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0118 Fuel Delivery Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source

- 0119 Engine Speed/Position Sensor Circuit lost one of two signals from the magnetic pickup sensor - Abnormal Rate of Change
- 0121 Intake Manifold Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0122 Intake Manifold Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0123 Intake Manifold Pressure High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0124 Intake Manifold Pressure Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0125 Intake Manifold Pressure #3 High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0126 Intake Manifold Pressure #3 Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0127 Intake Manifold Pressure Sensor #3 Circuit - Voltage Above Normal, or Shorted to High Source
- 0128 Intake Manifold Pressure Sensor #3 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0129 Accelerator Pedal or Lever Position Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0131 Accelerator Pedal or Lever Position Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0132 Remote Accelerator Pedal or Lever Position Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0133 Remote Accelerator Pedal or Lever Position Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0134 Oil Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0135 Pre-Oil Filter Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0136 Pre-Oil Filter Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0137 Pre-Oil Filter Pressure High - Data Valid but Above Normal Operational Range - Least Severe Level
- 0138 Pre-Oil Filter Pressure Sensor - Data Erratic, Intermittent, or Incorrect
- 0139 Oil Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0141 Oil Pressure High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0142 Oil Pressure Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0143 Coolant Temperature Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0144 Coolant Temperature Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0145 Coolant Temperature High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0146 Accelerator Pedal or Lever Position Sensor Circuit - Abnormal Frequency, Pulse Width, or Period
- 0147 Accelerator Pedal or Lever Position Sensor Circuit - Abnormal Frequency, Pulse Width, or Period
- 0148 Remote Accelerator Pedal or Lever Idle Validation Switch - Data Erratic, Intermittent, or Incorrect
- 0149 Coolant Temperature High - Data Valid but Above Normal Operational Range - Most Severe Level
- 0151 Coolant Temperature Low - Data Valid but Below Normal Operational Range - Least Severe Level
- 0152 Intake Manifold Air Temperature Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0153 Intake Manifold Air Temperature Sensor Circuit - Voltage Below Normal, or Shorted to Low Source



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- 0154 Intake Manifold Air Temperature High - Data Valid but Above Normal Operational Range - Most Severe Level
- 0155 Intake Manifold Air Temperature Sensor #2 Circuit - Voltage Above Normal, or Shorted to High Source
- 0156 Intake Manifold Air Temperature Sensor #2 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0157 Intake Manifold Air Temperature #2 High - Data Valid but Above Normal Operational Range - Most Severe Level
- 0158 Intake Manifold Air Temperature Sensor #3 Circuit - Voltage Above Normal, or Shorted to High Source
- 0159 Intake Manifold Air Temperature Sensor #3 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0161 Intake Manifold Air Temperature #3 High - Data Valid but Above Normal Operational Range - Most Severe Level
- 0162 Intake Manifold Air Temperature Sensor #4 Circuit - Voltage Above Normal, or Shorted to High Source
- 0163 Intake Manifold Air Temperature Sensor #4 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0164 Intake Manifold Air Temperature #4 High - Data Valid but Above Normal Operational Range - Most Severe Level
- 0165 Rack Position Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0166 Rack Position Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0167 Rack Actuator Position Circuit - Current Below Normal, or Open Circuit
- 0168 Rack Actuator Position Circuit - Current Above Normal, or Grounded Circuit
- 0169 Rack Actuator Position Circuit - Data Erratic, Intermittent, or Incorrect
- 0171 Rack Actuator - Mechanical System Not Responding Properly or Out of Adjustment
- 0172 Rack Actuator mechanically stuck closed - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0173 Rack Actuator Position #2 Circuit - Data Erratic, Intermittent, or Incorrect
- 0174 Electronic Throttle Control Actuator Circuit - Voltage Above Normal, or Shorted to High Source
- 0175 Electronic Throttle Control Actuator Circuit - Voltage Below Normal, or Shorted to Low Source
- 0176 Electronic Throttle Control Actuator - Mechanical System Not Responding Properly or Out of Adjustment
- 0177 Electronic Throttle Control Actuator - Mechanical System Not Responding Properly or Out of Adjustment
- 0178 Rack Position Sensor #2 Circuit - Voltage Above Normal, or Shorted to High Source
- 0179 Rack Position Sensor #2 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0181 Rack Actuator Position #2 Circuit - Current Above Normal, or Grounded Circuit
- 0182 Rack Actuator Position #2 Circuit - Current Below Normal, or Open Circuit
- 0183 Engine Control Module Identification Input State Error - Data Erratic, Intermittent, or Incorrect
- 0184 Engine Control Module Network Communication Error - Data Erratic, Intermittent, or Incorrect
- 0185 Wait-to-Start Lamp Circuit - Root Cause Not Known
- 0186 Sensor Supply Voltage #2 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0187 Oil Pressure Gauge Circuit - Root Cause Not Known
- 0188 Coolant Temperature Gauge Circuit - Root Cause Not Known
- 0189 Air Conditioner Compressor Clutch Control Circuit - Root Cause Not Known

- 0191 High Side Refrigerant Pressure Switch - Data Erratic, Intermittent, or Incorrect
- 0192 Cruise Control (Resistive) Signal Circuit - Voltage Above Normal, or Shorted to High Source
- 0193 Cruise Control (Resistive) Signal Circuit - Voltage Below Normal, or Shorted to Low Source
- 0194 Coolant Level Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0195 Coolant Level Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0196 Coolant Level Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0197 Indicator Lamp Circuit - Voltage Above Normal, or Shorted to High Source
- 0198 Indicator Lamp Circuit - Voltage Below Normal, or Shorted to Low Source
- 0199 Additional OEM/Vehicle Diagnostic Codes have been logged. Check other ECM's for DTC's - Condition Exists
- 0211 Oil Temperature Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0212 Oil Temperature Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0213 Oil Temperature High - Data Valid but Above Normal Operational Range - Most Severe Level
- 0214 Oil Temperature Low - Data Valid but Below Normal Operational Range - Most Severe Level
- 0215 Vehicle Wet Tank Supply Pressure Circuit - Voltage Above Normal, or Shorted to High Source
- 0216 Vehicle Wet Tank Supply Pressure Circuit - Voltage Below Normal, or Shorted to Low Source
- 0217 Vehicle Wet Tank Supply Pressure Circuit - Data Erratic, Intermittent, or Incorrect
- 0218 Oil Level #2 (Remote) Low - Data Valid but Below Normal Operational Range - Least Severe Level
- 0219 Barometric Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0221 Barometric Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0222 Oil Burn Valve Solenoid Circuit - Voltage Below Normal, or Shorted to Low Source
- 0223 Oil Burn Valve Solenoid Circuit - Voltage Above Normal, or Shorted to High Source
- 0224 Oil Replacement Valve Solenoid Circuit - Voltage Below Normal, or Shorted to Low Source
- 0225 Oil Replacement Valve Solenoid Circuit - Voltage Above Normal, or Shorted to High Source
- 0226 Sensor Supply Voltage #2 Circuit - Voltage Above Normal, or Shorted to High Source
- 0227 Coolant Pressure Low - Data Valid but Below Normal Operational Range - Most Severe Level
- 0228 Coolant Pressure Sensor Circuit - Data Erratic, Intermittent, or Incorrect
- 0229 Coolant Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0231 Coolant Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0232 Coolant Pressure Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0233 Engine Speed High - Data Valid but Above Normal Operational Range - Most Severe Level
- 0234 Coolant Level Low - Data Valid but Below Normal Operational Range - Most Severe Level
- 0235 Both Engine Speed Signals Lost - Data Valid but Below Normal Operational Range - Most Severe Level
- 0236 External Speed Input (Multiple Unit Synchronization) - Data Erratic, Intermittent, or Incorrect
- 0237 Sensor Supply Voltage #3 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0238 Sensor Supply Voltage #3 Circuit - Voltage Above Normal, or Shorted to High Source
- 0239 Vehicle Speed Sensor Circuit - Data Erratic, Intermittent, or Incorrect
- 0241 Vehicle Speed Sensor Circuit tampering has been detected - Abnormal Rate of Change

- 0242 Engine Brake Driver Circuit - Voltage Below Normal, or Shorted to Low Source
- 0243 Red Stop Lamp Circuit - Voltage Below Normal, or Shorted to Low Source
- 0244 Fan Control Circuit - Voltage Below Normal, or Shorted to Low Source
- 0245 Exhaust Gas Temperature Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0246 Exhaust Gas Temperature Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0247 Exhaust Gas Temperature High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0248 Ambient Air Temperature Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0249 Turbocharger #2 Wastegate Control Valve - Mechanical System Not Responding Properly or Out of Adjustment
- 0251 Oil Level Sensor Circuit - Data Erratic, Intermittent, or Incorrect
- 0252 Oil Level Low - Data Valid but Below Normal Operational Range - Most Severe Level
- 0253 Engine Fuel Shutoff Valve Circuit - Voltage Below Normal, or Shorted to Low Source
- 0254 Engine Fuel Shutoff Valve Circuit - Voltage Above Normal, or Shorted to High Source
- 0255 Ambient Air Temperature Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0256 Engine Fuel Shutoff Valve stuck closed - Mechanical System Not Responding Properly or Out of Adjustment
- 0257 Engine Fuel Shutoff Valve Circuit - Current Below Normal, or Open Circuit
- 0258 Engine Fuel Shutoff Valve stuck open - Mechanical System Not Responding Properly or Out of Adjustment
- 0259 Engine Fuel Temperature High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0261 Engine Fuel Temperature Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0262 Engine Fuel Temperature Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0263 Engine Fuel Temperature Sensor Circuit - Root Cause Not Known
- 0264 Engine Fuel Temperature Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0265 Engine Fuel Temperature High - Data Valid but Above Normal Operational Range - Most Severe Level
- 0266 Ambient Air Temperature Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0267 Fuel Pressure Sensor Circuit - Data Erratic, Intermittent, or Incorrect
- 0268 Antitheft Start Inhibit Password Valid Indicator - Data Erratic, Intermittent, or Incorrect
- 0269 High Fuel Pressure Solenoid Valve Circuit - Voltage Below Normal, or Shorted to Low Source
- 0271 High Fuel Pressure Solenoid Valve Circuit - Voltage Above Normal, or Shorted to High Source
- 0272 High Fuel Pressure Solenoid Valve #2 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0273 High Fuel Pressure Solenoid Valve #2 Circuit - Voltage Above Normal, or Shorted to High Source
- 0274 Fuel Pumping Element (Front) - Mechanical System Not Responding Properly or Out of Adjustment
- 0275 Electronic Fuel Injection Control Valve Circuit - Voltage Above Normal, or Shorted to High Source

- 0276 Electronic Fuel Injection Control Valve - Mechanical System Not Responding Properly or Out of Adjustment
- 0277 Fuel Priming Pump Control Circuit Error - Root Cause Not Known
- 0278 Electronic Fuel Injection Control Valve Circuit - Voltage Below Normal, or Shorted to Low Source
- 0279 High Fuel Pressure Solenoid Valve #1 - Mechanical System Not Responding Properly or Out of Adjustment
- 0281 High Fuel Pressure Solenoid Valve #2 - Mechanical System Not Responding Properly or Out of Adjustment
- 0282 Engine Speed/Position Sensor (Crankshaft) Supply Voltage Circuit - Voltage Above Normal, or Shorted to High Source
- 0283 Engine Speed/Position Sensor (Crankshaft) Supply Voltage Circuit - Voltage Below Normal, or Shorted to Low Source
- 0284 SAE J1939 Multiplexing PGN Timeout Error - Abnormal Update Rate
- 0285 SAE J1939 Multiplexing Configuration Error - Out of Calibration
- 0286 SAE J1939 Multiplexing Accelerator Pedal or Lever Sensor System Error - Received Network Data In Error
- 0287 SAE J1939 Multiplexing Remote Accelerator Pedal or Lever Data Error - Received Network Data In Error
- 0288 Idle Shutdown Vehicle Accessories Relay Driver Circuit - Root Cause Not Known
- 0289 Proprietary Datalink Error (OEM/Vehicle Datalink) - Abnormal Update Rate
- 0291 Auxiliary Temperature Sensor Input # 1 Engine Protection - Special Instructions
- 0292 Auxiliary Temperature Sensor Input # 1 Circuit - Voltage Above Normal, or Shorted to High Source
- 0293 Auxiliary Temperature Sensor Input # 1 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0294 Barometric Pressure Sensor Circuit - Data Erratic, Intermittent, or Incorrect
- 0295 Auxiliary Pressure Sensor Input # 2 Engine Protection - Special Instructions
- 0296 Auxiliary Pressure Sensor Input # 2 Circuit - Voltage Above Normal, or Shorted to High Source
- 0297 Auxiliary Pressure Sensor Input # 2 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0298 Engine Shutdown Commanded by J1939 - Condition Exists
- 0299 Injector Solenoid Cylinder#1 Circuit - Current Above Normal, or Grounded Circuit
- 0311 Injector Solenoid Cylinder #5 Circuit - Current Above Normal, or Grounded Circuit
- 0312 Injector Solenoid Cylinder #3 Circuit - Current Above Normal, or Grounded Circuit
- 0313 Injector Solenoid Cylinder #6 Circuit - Current Above Normal, or Grounded Circuit
- 0314 Injector Solenoid Cylinder #2 Circuit - Current Above Normal, or Grounded Circuit
- 0315 Fuel Supply Pump Actuator Circuit - Voltage Above Normal, or Shorted to High Source
- 0316 Fuel Supply Pump Actuator Circuit - Voltage Below Normal, or Shorted to Low Source
- 0317 Fuel Supply Pump Actuator - Mechanical System Not Responding Properly or Out of Adjustment
- 0318 Real Time Clock Power Interrupt - Data Erratic, Intermittent, or Incorrect
- 0319 Injector Solenoid Cylinder #4 Circuit - Current Above Normal, or Grounded Circuit
- 0321 Injector Solenoid Cylinder #1 Circuit - Current Below Normal, or Open Circuit

- 0322 Injector Solenoid Cylinder #5 Circuit - Current Below Normal, or Open Circuit
- 0323 Injector Solenoid Cylinder #3 Circuit - Current Below Normal, or Open Circuit
- 0324 Injector Solenoid Cylinder #6 Circuit - Current Below Normal, or Open Circuit
- 0325 Oil Level High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0326 Fuel Consumption Rate High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0327 Fuel Pumping Element #2 (Rear) - Mechanical System Not Responding Properly or Out of Adjustment
- 0328 Fuel System Leakage error - Special Instructions
- 0329 Injector Solenoid Cylinder #2 Circuit - Current Below Normal, or Open Circuit
- 0331 Injector Solenoid Cylinder #4 Circuit - Current Below Normal, or Open Circuit
- 0332 Injector Power Supply no voltage detected - Bad Intelligent Device or Component
- 0333 Coolant Temperature Sensor Circuit - Data Erratic, Intermittent, or Incorrect
- 0334 Engine Control Module Critical Software error - Bad Intelligent Device or Component
- 0335 Idle Speed Control Valve Circuit - Voltage Above Normal, or Shorted to High Source
- 0336 Idle Speed Control Valve Circuit - Voltage Below Normal, or Shorted to Low Source
- 0337 Idle Shutdown Vehicle Accessories Relay Driver Circuit - Voltage Above Normal, or Shorted to High Source
- 0338 Idle Shutdown Vehicle Accessories Relay Driver Circuit - Voltage Below Normal, or Shorted to Low Source
- 0339 Engine Control Module data lost - Data Erratic, Intermittent, or Incorrect
- 0341 Engine Control Module - Out of Calibration
- 0342 Engine Control Module Warning internal hardware failure - Bad Intelligent Device or Component
- 0343 Fuel Filter Restriction High - Data Valid but Above Normal Operational Range - Least Severe Level
- 0344 Fuel Filter Restriction Sensor Circuit - Data Erratic, Intermittent, or Incorrect
- 0345 Engine Control Module Warning Software error - Bad Intelligent Device or Component
- 0346 Fuel Filter Restriction Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0347 Fuel Filter Restriction Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0348 Transmission Output Shaft (Tailshaft) Speed High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0349 Injector Power Supply - Bad Intelligent Device or Component
- 0351 Sensor Supply Voltage #1 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0352 Engine Control Module EEPROM Write Error - Bad Intelligent Device or Component
- 0353 Intake Manifold Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0354 Intake Manifold Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0355 Mass Air Flow Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0356 Mass Air Flow Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0357 Mass Air Flow Sensor Circuit - Data Erratic, Intermittent, or Incorrect
- 0358 Engine Failed to Start (automatic start) - Condition Exists

- 0359 Fuel Pump Control Module, Fuel Control Valve Circuit - Voltage Above Normal, or Shorted to High Source
- 0361 Fuel Pump Control Module, Fuel Control Valve Circuit - Voltage Below Normal, or Shorted to Low Source
- 0362 Fuel Pump Control Module, Fuel Control Valve - Mechanical System Not Responding Properly or Out of Adjustment
- 0363 Fuel Pump Control Module, CAN Communication Error - Abnormal Update Rate
- 0364 Fuel Pump Control Module, Supply Voltage Circuit - Voltage Below Normal, or Shorted to Low Source
- 0365 Fuel Pump Control Module, Supply Voltage Circuit - Data Erratic, Intermittent, or Incorrect
- 0366 Fuel Pump Control Module, Increment Angle Time Sensor Error - Root Cause Not Known
- 0367 Fuel Pump Control Module, Timing Error - Abnormal Frequency, Pulse Width, or Period
- 0368 Fuel Pump Control Module, Engine Synchronization Error - Data Erratic, Intermittent, or Incorrect
- 0369 Fuel Pump Control Module, Static Timing Error - Condition Exists
- 0371 Fuel Pump Control Module, Idle Validation Error - Root Cause Not Known
- 0372 Fuel Pump Control Module, Fuel Shutoff Circuit Error - Voltage Above Normal, or Shorted to High Source
- 0373 Fuel Pump Control Module, Self-Test Error - Bad Intelligent Device or Component
- 0374 Fuel Pump Control Module, Electronic Calibration Code Error - Data Erratic, Intermittent, or Incorrect
- 0375 Fuel Pump Control Module, Fueling or Engine Speed Mismatch - Out of Calibration
- 0376 Fuel Pump Control Module, Stuck Relay Error - Mechanical System Not Responding Properly or Out of Adjustment
- 0377 Fuel Actuator #1 Circuit - Current Below Normal, or Open Circuit
- 0378 Fuel Actuator #1 Circuit - Current Above Normal, or Grounded Circuit
- 0379 Intake Air Heater (Relay Enable) #2 Circuit - Root Cause Not Known
- 0381 Intake Air Heater (Relay Enable) #2 Circuit - Root Cause Not Known
- 0382 Intake Air Heater Circuit Not Responding - Current Below Normal, or Open Circuit
- 0383 Start Assist Device Control Circuit Error (Ether Injection) - Root Cause Not Known
- 0384 OEM Sensor Supply Voltage Circuit - Voltage Above Normal, or Shorted to High Source
- 0385 Sensor Supply Voltage #1 Circuit - Voltage Above Normal, or Shorted to High Source
- 0386 Accelerator Pedal or Lever Position Sensor Supply Voltage Circuit - Voltage Above Normal, or Shorted to High Source
- 0387 Engine Brake Driver #1 Circuit - Root Cause Not Known
- 0388 Fan Control Circuit Error - Root Cause Not Known
- 0389 Engine Fuel Shutoff Valve Supply Voltage error - Root Cause Not Known
- 0391 Engine Brake Driver #2 Circuit - Root Cause Not Known
- 0392 Engine Brake Driver #3 Circuit - Root Cause Not Known
- 0393 Timing Actuator #1 Circuit - Current Below Normal, or Open Circuit
- 0394 Timing Actuator #1 Circuit - Current Above Normal, or Grounded Circuit

- 0395 Fueling Actuator #2 Circuit - Current Below Normal, or Open Circuit
- 0396 Fueling Actuator #2 Circuit - Current Above Normal, or Grounded Circuit
- 0397 Engine Timing Actuator #2 Circuit - Current Below Normal, or Open Circuit
- 0398 Engine Timing Actuator #2 Circuit - Current Above Normal, or Grounded Circuit
- 0399 SAEJ1922 Datalink Circuit - Voltage Above Normal, or Shorted to High Source
- 0411 SAEJ1587/J1922 Datalink cannot transmit - Data Erratic, Intermittent, or Incorrect
- 0412 SAEJ1922 Datalink - Abnormal Update Rate
- 0413 SAEJ1587/J1922 Datalink Circuit - Abnormal Update Rate
- 0414 Oil Pressure Low - Data Valid but Below Normal Operational Range - Most Severe Level
- 0415 Pre-filter Engine Oil Pressure Sensor Circuit - Data Erratic, Intermittent, or Incorrect
- 0416 Oil Filter Bypass Valve - Mechanical System Not Responding Properly or Out of Adjustment
- 0417 Water in Fuel Indicator High - Data Valid but Above Normal Operational Range - Least Severe Level
- 0418 Intake Manifold Pressure Bank Imbalance - Data Erratic, Intermittent, or Incorrect
- 0419 Oil Temperature High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0421 Coolant Level Sensor Circuit - Data Erratic, Intermittent, or Incorrect
- 0422 Engine Fuel Timing Pressure or Timing Actuator Stuck - Data Erratic, Intermittent, or Incorrect
- 0423 Fuel Pressure Sensor #2 Circuit - Data Erratic, Intermittent, or Incorrect
- 0424 Oil Temperature Sensor Circuit - Data Erratic, Intermittent, or Incorrect
- 0425 SAE J1939 Datalink cannot transmit - Data Erratic, Intermittent, or Incorrect
- 0426 SAE J1939 Datalink - Abnormal Update Rate
- 0427 Water in Fuel Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0428 Water in Fuel Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0429 Accelerator Pedal or Lever Idle Validation Circuit - Data Erratic, Intermittent, or Incorrect
- 0431 Accelerator Pedal or Lever Idle Validation Circuit - Out of Calibration
- 0432 Intake Manifold Pressure Sensor Circuit - Data Erratic, Intermittent, or Incorrect
- 0433 Power Lost without Ignition Off - Data Erratic, Intermittent, or Incorrect
- 0434 Oil Pressure Sensor Circuit - Data Erratic, Intermittent, or Incorrect
- 0435 Sensor Circuit - Data Erratic, Intermittent, or Incorrect
- 0436 Intake Manifold Air Temperature #2 Sensor Circuit - Data Erratic, Intermittent, or Incorrect
- 0437 Intake Manifold Air Temperature #3 Sensor Circuit - Data Erratic, Intermittent, or Incorrect
- 0438 Intake Manifold Air Temperature #4 Sensor Circuit - Data Erratic, Intermittent, or Incorrect
- 0439 Battery #1 Voltage Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0441 Battery #1 Voltage High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0442 Accelerator Pedal or Lever Position Sensor Supply Voltage Circuit - Voltage Below Normal, or Shorted to Low Source
- 0443 OEM Sensor Supply Voltage Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0444 OEM Switch Supply Voltage Circuit - Voltage Above Normal, or Shorted to High Source

- 0445 GSP Communication Failure - Condition Exists
- 0446 RPC number not Supported - Condition Exists
- 0447 RPC Argument Mismatch - Condition Exists
- 0448 Fuel Pressure High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0449 Injector Metering Rail #1 Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0451 Injector Metering Rail #1 Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0452 Gas Mass Flow Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0453 Gas Mass Flow Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0454 Electronic Fuel Control Valve Circuit - Voltage Above Normal, or Shorted to High Source
- 0455 Fuel Pressure Sensor Circuit - Abnormal Rate of Change
- 0456 Fuel Timing Rail Pressure Sensor - Abnormal Rate of Change
- 0457 Ignition Timing Signal Circuit - Voltage Above Normal, or Shorted to High Source
- 0458 Ignition Timing Signal Circuit - Voltage Below Normal, or Shorted to Low Source
- 0459 Ignition Control Signal Circuit - Voltage Above Normal, or Shorted to High Source
- 0461 Ignition Control Signal Circuit - Voltage Below Normal, or Shorted to Low Source
- 0462 Heated Oxygen Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0463 Heated Oxygen Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0464 Turbocharger #1 Wastegate Control Circuit - Voltage Above Normal, or Shorted to High Source
- 0465 Turbocharger #1 Wastegate Control Circuit - Voltage Below Normal, or Shorted to Low Source
- 0466 Engine Timing Rail Actuator Circuit - Data Erratic, Intermittent, or Incorrect
- 0467 Fuel Rail Actuator Circuit - Data Erratic, Intermittent, or Incorrect
- 0468 Vehicle Cab (Bunk) Temperature/Thermostat Circuit - Data Erratic, Intermittent, or Incorrect
- 0469 Oil Level Low - Data Valid but Below Normal Operational Range - Least Severe Level
- 0471 Oil Level #2 Low (Maintenance) - Data Erratic, Intermittent, or Incorrect
- 0472 Oil Level #2 Low (Warning) - Data Erratic, Intermittent, or Incorrect
- 0473 Starter Solenoid Lockout Relay Driver Circuit - Data Erratic, Intermittent, or Incorrect
- 0474 Air Compressor Actuator Circuit - Voltage Below Normal, or Shorted to Low Source
- 0475 Air Compressor Actuator Circuit - Voltage Above Normal, or Shorted to High Source
- 0476 Battery #2 Voltage Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0477 Battery #2 Voltage High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0478 Exhaust Gas Temperature Bank Imbalance - Data Erratic, Intermittent, or Incorrect
- 0479 Oil Filter Restriction High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0481 Fuel Pressure Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0482 Injector Metering Rail #2 Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0483 Injector Metering Rail #2 Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0484 Injector Metering Rail #2 Pressure High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0485 Injector Metering Rail #2 Pressure Low - Data Valid but Below Normal Operational Range - Moderately Severe Level

Severe Level

- 0486 Start Assist Device Canister Empty (Ether Injection) - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0487 Intake Manifold Air Temperature High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0488 Transmission Output Shaft (Tailshaft) Speed Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0489 Turbocharger #2 Wastegate Control Circuit - Voltage Above Normal, or Shorted to High Source
- 0491 Turbocharger #2 Wastegate Control Circuit - Voltage Below Normal, or Shorted to Low Source
- 0492 Fuel Pump Calibration Trim Circuit Error - Out of Calibration
- 0493 Ambient Air Pressure Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0494 Ambient Air Pressure Low - Data Valid but Below Normal Operational Range - Most Severe Level
- 0495 Engine Speed/Position Sensor #2 (Camshaft) Supply Voltage - Root Cause Not Known
- 0496 Multiple Unit Synchronization Switch Circuit - Data Erratic, Intermittent, or Incorrect
- 0497 Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0498 Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0499 Electronic Fuel Control Valve Circuit - Voltage Below Normal, or Shorted to Low Source
- 0511 Throttle Position Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0512 Throttle Position Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0513 Electronic Fuel Control Valve - Mechanical System Not Responding Properly or Out of Adjustment
- 0514 Accelerator Pedal or Lever Frequency Position Sensor Supply Circuit - Voltage Above Normal, or Shorted to High Source
- 0515 Accelerator Pedal or Lever Frequency Position Sensor Supply Circuit - Voltage Below Normal, or Shorted to Low Source
- 0516 Fuel Metering Solenoid - Bad Intelligent Device or Component
- 0517 Power Steering Fluid Temperature Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0518 Power Steering Fluid Temperature Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0519 Transmission Oil Temperature Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0521 Transmission Oil Temperature Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0522 OEM Intermediate (PTO) Speed switch Validation - Data Erratic, Intermittent, or Incorrect
- 0523 OEM Alternate Droop Switch Validation - Data Erratic, Intermittent, or Incorrect
- 0524 ECM not Calibrated - Voltage Above Normal, or Shorted to High Source
- 0525 Auxiliary Input/Output #1 Circuit - Voltage Above Normal, or Shorted to High Source
- 0526 Auxiliary Input/Output #2 Circuit - Voltage Above Normal, or Shorted to High Source
- 0527 OEM Alternate torque validation switch - Data Erratic, Intermittent, or Incorrect
- 0528 Auxiliary Input/Output #3 Circuit - Voltage Above Normal, or Shorted to High Source
- 0529 Autoshift High Gear Actuator Circuit - Voltage Above Normal, or Shorted to High Source
- 0531 Autoshift High Gear Actuator Circuit - Voltage Below Normal, or Shorted to Low Source

- 0532 Autoshift Low Gear Actuator Circuit - Voltage Above Normal, or Shorted to High Source
- 0533 Autoshift Low Gear Actuator Circuit - Voltage Below Normal, or Shorted to Low Source
- 0534 Engine Fuel Temperature Sensor Error - Data Erratic, Intermittent, or Incorrect
- 0535 Autoshift Low Gear Actuator (Top2 Valve Lockout Solenoid) Error - Root Cause Not Known
- 0536 Autoshift High Gear Actuator (Top2 Valve Shift Solenoid) Error - Root Cause Not Known
- 0537 Autoshift Neutral Gear Actuator Error - Root Cause Not Known
- 0538 Injector Control Valve Electronic Filter (Transorb) Error - Root Cause Not Known
- 0539 Starter Interlock Safety Circuit incorrect starting conditions - Condition Exists
- 0541 Vehicle Cab (Bunk) Thermostat Enable Circuit - Voltage Above Normal, or Shorted to High Source
- 0542 Vehicle Cab (Bunk) Thermostat Enable Circuit - Voltage Below Normal, or Shorted to Low Source
- 0543 Top 2 Auxiliary Box Section autoshift failure - Mechanical System Not Responding Properly or Out of Adjustment
- 0544 Turbocharger #1 Wastegate Control Valve Error - Mechanical System Not Responding Properly or Out of Adjustment
- 0545 Fuel Delivery Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0546 Fuel Delivery Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0547 Timing Rail Fuel Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0548 Timing Rail Fuel Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0549 Accelerator Pedal or Lever Idle Validation Circuit - Voltage Below Normal, or Shorted to Low Source
- 0551 Electronic Fuel Control Valve Error - Data Erratic, Intermittent, or Incorrect
- 0552 Injector Metering Rail #1 Pressure High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0553 Fuel Pressure Sensor Error - Data Erratic, Intermittent, or Incorrect
- 0554 Engine Blowby - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0555 Engine Blowby - Data Valid but Above Normal Operational Range - Most Severe Level
- 0556 Secondary Electronic Fuel Control Valve Circuit - Voltage Above Normal, or Shorted to High Source
- 0557 Secondary Electronic Fuel Control Valve Circuit - Voltage Below Normal, or Shorted to Low Source
- 0558 Injector Metering Rail #1 Pressure Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0559 Knock detected in Cylinder #1 - Data Valid but Above Normal Operational Range - Most Severe Level
- 0561 Knock detected in Cylinder #2 - Data Valid but Above Normal Operational Range - Most Severe Level
- 0562 Knock detected in Cylinder #3 - Data Valid but Above Normal Operational Range - Most Severe Level
- 0563 Knock detected in Cylinder #4 - Data Valid but Above Normal Operational Range - Most Severe Level
- 0564 Knock detected in Cylinder #5 - Data Valid but Above Normal Operational Range - Most Severe Level
- 0565 Knock detected in Cylinder #6 - Data Valid but Above Normal Operational Range - Most Severe Level
- 0566 Knock detected in Cylinder #7 - Data Valid but Above Normal Operational Range - Most Severe Level
- 0567 Knock detected in Cylinder #8 - Data Valid but Above Normal Operational Range - Most Severe Level
- 0568 Knock detected in Cylinder #9 - Data Valid but Above Normal Operational Range - Most Severe Level

- 0569 Knock Sensor Circuit, Cylinder #1 - Voltage Below Normal, or Shorted to Low Source
- 0571 Knock Sensor Circuit, Cylinder #2 - Voltage Below Normal, or Shorted to Low Source
- 0572 Knock Sensor Circuit, Cylinder #3 - Voltage Below Normal, or Shorted to Low Source
- 0573 Knock Sensor Circuit, Cylinder #4 - Voltage Below Normal, or Shorted to Low Source
- 0574 Knock Sensor Circuit, Cylinder #5 - Voltage Below Normal, or Shorted to Low Source
- 0575 Knock Sensor Circuit, Cylinder #6 - Voltage Below Normal, or Shorted to Low Source
- 0576 Knock Sensor Circuit, Cylinder #7 - Voltage Below Normal, or Shorted to Low Source
- 0577 Knock Sensor Circuit, Cylinder #8 - Voltage Below Normal, or Shorted to Low Source
- 0578 Knock Sensor Circuit, Cylinder #9 - Voltage Below Normal, or Shorted to Low Source
- 0579 Fuel Supply Pump Inlet Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0581 Fuel Supply Pump Inlet Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0582 Fuel Supply Pump Inlet Pressure Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0583 Starter Relay Circuit - Voltage Above Normal, or Shorted to High Source
- 0584 Starter Relay Circuit - Voltage Below Normal, or Shorted to Low Source
- 0585 Keyswitch Circuit - Voltage Above Normal, or Shorted to High Source
- 0586 Keyswitch Circuit - Voltage Below Normal, or Shorted to Low Source
- 0587 Auto Start Alarm Circuit - Voltage Above Normal, or Shorted to High Source
- 0588 Auto Start Alarm Circuit - Voltage Below Normal, or Shorted to Low Source
- 0589 Exhaust Back Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0591 Exhaust Back Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0592 Turbocharger #1 Speed Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0593 Turbocharger #1 Speed Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0594 Turbocharger #1 Speed High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0595 Electrical Charging System Voltage High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0596 Electrical Charging System Voltage Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0597 Electrical Charging System Voltage Low - Data Valid but Below Normal Operational Range - Most Severe Level
- 0598 OEM Commanded Dual Output Shutdown - Special Instructions
- 0599 Engine Hot Shutdown - Condition Exists
- 0611 Oil Filter Restriction - Data Valid but Below Normal Operational Range - Most Severe Level
- 0612 Engine Misfire for Multiple Cylinders - Data Valid but Below Normal Operational Range - Most Severe Level
- 0613 Excessive Operation at Low Coolant Temperature - Data Valid but Below Normal Operational Range - Moderately Severe Level

- 0614 Non Zero Engine Speed at Power Up - Root Cause Not Known
- 0615 Turbocharger #2 Compressor Inlet Temperature High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0616 Turbocharger #1 Compressor Inlet Temperature High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0617 Intake Restriction #1 High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0618 Intake Restriction #2 High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0619 Engine Misfire Cylinder No. 1 - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0621 Engine Misfire Cylinder No. 2 - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0622 Engine Misfire Cylinder No. 3 - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0623 Engine Misfire Cylinder No. 4 - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0624 Engine Misfire Cylinder No. 5 - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0625 Engine Misfire Cylinder No. 6 - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0626 Engine Misfire Cylinder No. 7 - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0627 Engine Misfire Cylinder No. 8 - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0628 Intake Air Leak #1 - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0629 Engine Misfire Cylinder No. 9 - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0631 Engine Misfire Cylinder No. 10 - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0632 Engine Misfire Cylinder No. 11 - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0633 Engine Misfire Cylinder No. 12 - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0634 Engine Misfire Cylinder No. 13 - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0635 Engine Misfire Cylinder No. 14 - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0636 Engine Misfire Cylinder No. 15 - Data Valid but Below Normal Operational Range - Moderately Severe Level

- 0637 Engine Misfire Cylinder No. 16 - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0638 Intake Air Leak #2 - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0639 Exhaust Gas Temperature High for Cylinder #1 - Data Valid but Above Normal Operational Range - Most Severe Level
- 0641 Exhaust Gas Temperature High for Cylinder #2 - Data Valid but Above Normal Operational Range - Most Severe Level
- 0642 Exhaust Gas Temperature High for Cylinder #3 - Data Valid but Above Normal Operational Range - Most Severe Level
- 0643 Exhaust Gas Temperature High for Cylinder #4 - Data Valid but Above Normal Operational Range - Most Severe Level
- 0644 Exhaust Gas Temperature High for Cylinder #5 - Data Valid but Above Normal Operational Range - Most Severe Level
- 0645 Exhaust Gas Temperature High for Cylinder #6 - Data Valid but Above Normal Operational Range - Most Severe Level
- 0646 Exhaust Gas Temperature High for Cylinder #7 - Data Valid but Above Normal Operational Range - Most Severe Level
- 0647 Exhaust Gas Temperature High for Cylinder #8 - Data Valid but Above Normal Operational Range - Most Severe Level
- 0648 Change Lubricating Oil and Filter - Condition Exists
- 0649 Exhaust Gas Temperature High for Cylinder #9 - Data Valid but Above Normal Operational Range - Most Severe Level
- 0651 Exhaust Gas Temperature High for Cylinder #10 - Data Valid but Above Normal Operational Range - Most Severe Level
- 0652 Exhaust Gas Temperature High for Cylinder #11 - Data Valid but Above Normal Operational Range - Most Severe Level
- 0653 Exhaust Gas Temperature High for Cylinder #12 - Data Valid but Above Normal Operational Range - Most Severe Level
- 0654 Exhaust Gas Temperature High for Cylinder #13 - Data Valid but Above Normal Operational Range - Most Severe Level
- 0655 Exhaust Gas Temperature High for Cylinder #14 - Data Valid but Above Normal Operational Range - Most Severe Level
- 0656 Exhaust Gas Temperature High for Cylinder #15 - Data Valid but Above Normal Operational Range - Most Severe Level
- 0657 Exhaust Gas Temperature High for Cylinder #16 - Data Valid but Above Normal Operational Range - Most Severe Level
- 0658 Fuel Filter Differential Pressure High Change Fuel Filter - Condition Exists
- 0659 Exhaust Gas Temperature High for Cylinder #1 - Data Valid but Above Normal Operational Range -

Moderately Severe Level

- 0661 Exhaust Gas Temperature High for Cylinder #2 - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0662 Exhaust Gas Temperature High for Cylinder #3 - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0663 Exhaust Gas Temperature High for Cylinder #4 - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0664 Exhaust Gas Temperature High for Cylinder #5 - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0665 Exhaust Gas Temperature High for Cylinder #6 - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0666 Exhaust Gas Temperature High for Cylinder #7 - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0667 Exhaust Gas Temperature High for Cylinder #8 - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0668 Change Coolant Filter - Condition Exists
- 0669 Exhaust Gas Temperature Sensor Circuit for Cylinder #1 - Voltage Below Normal, or Shorted to Low Source
- 0671 Exhaust Gas Temperature Sensor Circuit for Cylinder #2 - Voltage Below Normal, or Shorted to Low Source
- 0672 Exhaust Gas Temperature Sensor Circuit for Cylinder #3 - Voltage Below Normal, or Shorted to Low Source
- 0673 Exhaust Gas Temperature Sensor Circuit for Cylinder #4 - Voltage Below Normal, or Shorted to Low Source
- 0674 Exhaust Gas Temperature Sensor Circuit for Cylinder #5 - Voltage Below Normal, or Shorted to Low Source
- 0675 Exhaust Gas Temperature Sensor Circuit for Cylinder #6 - Voltage Below Normal, or Shorted to Low Source
- 0676 Exhaust Gas Temperature Sensor Circuit for Cylinder #7 - Voltage Below Normal, or Shorted to Low Source
- 0677 Exhaust Gas Temperature Sensor Circuit for Cylinder #8 - Voltage Below Normal, or Shorted to Low Source
- 0678 Change Coolant - Condition Exists
- 0679 Turbocharger #2 Speed Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0681 Turbocharger #2 Speed Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0682 Turbocharger #2 Speed High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0683 Turbocharger #2 Speed Low - Data Valid but Below Normal Operational Range - Moderately Severe

Level

- 0684 Turbocharger #2 Speed Sensor Error - Data Erratic, Intermittent, or Incorrect
- 0685 Turbocharger #1 Speed Sensor Error - Data Erratic, Intermittent, or Incorrect
- 0686 Turbocharger #1 Speed Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0687 Oil Level High - Data Valid but Above Normal Operational Range - Most Severe Level
- 0688 Primary Engine Speed Sensor Error - Data Erratic, Intermittent, or Incorrect
- 0689 Turbocharger #1 Compressor Inlet Temperature Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0691 Turbocharger #1 Compressor Inlet Temperature Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0692 Turbocharger #1 Compressor Inlet Temperature Sensor Error - Data Erratic, Intermittent, or Incorrect
- 0693 Turbocharger #2 Compressor Inlet Temperature Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0694 Turbocharger #2 Compressor Inlet Temperature Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0695 Turbocharger #2 Compressor Inlet Temperature Sensor Error - Data Erratic, Intermittent, or Incorrect
- 0696 ECM Internal Air Temperature Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0697 ECM Internal Air Temperature Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0698 ECM Internal Air Temperature Sensor Error - Data Erratic, Intermittent, or Incorrect
- 0699 Exhaust Gas Temperature High for Cylinder #9 - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0711 Exhaust Gas Temperature High for Cylinder #10 - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0712 Exhaust Gas Temperature High for Cylinder #11 - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0713 Exhaust Gas Temperature High for Cylinder #12 - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0714 Exhaust Gas Temperature High for Cylinder #13 - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0715 Exhaust Gas Temperature High for Cylinder #14 - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0716 Exhaust Gas Temperature High for Cylinder #15 - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0717 Exhaust Gas Temperature High for Cylinder #16 - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0718 Crankcase Blowby Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0719 Exhaust Gas Temperature Sensor Circuit for Cylinder #9 - Voltage Below Normal, or Shorted to Low

Source

- 0721 Exhaust Gas Temperature Sensor Circuit for Cylinder #10 - Voltage Below Normal, or Shorted to Low Source
- 0722 Exhaust Gas Temperature Sensor Circuit for Cylinder #11 - Voltage Below Normal, or Shorted to Low Source
- 0723 Exhaust Gas Temperature Sensor Circuit for Cylinder #12 - Voltage Below Normal, or Shorted to Low Source
- 0724 Exhaust Gas Temperature Sensor Circuit for Cylinder #13 - Voltage Below Normal, or Shorted to Low Source
- 0725 Exhaust Gas Temperature Sensor Circuit for Cylinder #14 - Voltage Below Normal, or Shorted to Low Source
- 0726 Exhaust Gas Temperature Sensor Circuit for Cylinder #15 - Voltage Below Normal, or Shorted to Low Source
- 0727 Exhaust Gas Temperature Sensor Circuit for Cylinder #16 - Voltage Below Normal, or Shorted to Low Source
- 0728 Crankcase Blowby Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0729 Engine Speed/Position #2 mechanical misalignment between camshaft and crankshaft sensors - Mechanical System Not Responding Properly or Out of Adjustment
- 0731 Turbocharger #3 Speed High - Data Valid but Above Normal Operational Range - Most Severe Level
- 0732 Turbocharger #3 Speed Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0733 Turbocharger #4 Speed High - Data Valid but Above Normal Operational Range - Most Severe Level
- 0734 Turbocharger #4 Speed Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0735 Air Start Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0736 Air Start Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0737 Air Start Pressure Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0738 Blowby Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0739 Intake Restriction #1 Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0741 Intake Restriction #1 Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0742 Intake Restriction #1 Sensor Error - Data Erratic, Intermittent, or Incorrect
- 0743 Intake Restriction #2 Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0744 Intake Restriction #2 Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0745 Intake Restriction #2 Sensor Error - Data Erratic, Intermittent, or Incorrect
- 0746 Electronic Control Module trend data memory is 90% full - Data Valid but Above Normal Operational Range - Least Severe Level
- 0747 Electronic Control Module trend data memory is full - Data Valid but Above Normal Operational Range - Least Severe Level

- 0748 Electronic Control Module fault code datalog is 90% full - Data Valid but Above Normal Operational Range - Least Severe Level
- 0749 Gas Mass Flow Sensor Error - Data Erratic, Intermittent, or Incorrect
- 0751 Heated Oxygen Sensor Error - Data Erratic, Intermittent, or Incorrect
- 0752 Engine Speed/Position #2 Camshaft sync error - Data Erratic, Intermittent, or Incorrect
- 0753 Electronic Control Module fault code snapshot datalog is full - Condition Exists
- 0754 Injector Metering Rail #1 Pressure Malfunction - Mechanical System Not Responding Properly or Out of Adjustment
- 0755 Lubricating oil filters require changing - Condition Exists
- 0756 Electronic Control Module data lost - Condition Exists
- 0757 Injector Metering Rail #2 Pressure Malfunction - Mechanical System Not Responding Properly or Out of Adjustment
- 0758 Variable PTO Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 0759 Variable PTO Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 0761 Real Time Clock Backup Battery Voltage High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0762 Real Time Clock Backup Battery Voltage Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0763 Vehicle Speed Sensor - Bad Intelligent Device or Component
- 0764 Engine Coolant System Thermostat Malfunction - Mechanical System Not Responding Properly or Out of Adjustment
- 0765 Starter Interlock Safety Circuit - Voltage Above Normal, or Shorted to High Source
- 0766 Starter Interlock Safety Circuit - Voltage Below Normal, or Shorted to Low Source
- 0767 PWM Output Device Driver - Root Cause Not Known
- 0768 Brake Switch Circuit - Voltage Above Normal, or Shorted to High Source
- 0769 Brake Switch Circuit - Voltage Below Normal, or Shorted to Low Source
- 0771 Needle Lift Sensor #1 - Root Cause Not Known
- 0772 Needle Lift Sensor #2 - Root Cause Not Known
- 0773 Electronic Air Compressor Driver Circuit - Current Below Normal, or Open Circuit
- 0774 Electronic Air Compressor Pressure Low - Data Valid but Below Normal Operational Range - Least Severe Level
- 0775 Electronic Air Compressor Pressure Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 0776 Turbocharger #1 Turbine Inlet Temperature High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 0777 Engine Speed Sensor (Camshaft) Error - Data Erratic, Intermittent, or Incorrect
- 0778 Auxiliary Equipment Sensor Input # 3 (OEM Switch) - Root Cause Not Known
- 0779 SAE J1939 Data Link 2 Engine Network - Abnormal Update Rate

- 0781 CAN / J1939 Network #2 No Data Received - Condition Exists
- 0782 Intake Manifold Temperature #1 - Abnormal Rate of Change
- 0783 Loss of Communication with Adaptive Cruise Control - Data Erratic, Intermittent, or Incorrect
- 0784 Ignition Coil Failure on Cylinder No. 1 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0811 Ignition Coil Failure on Cylinder No. 2 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0812 Ignition Coil Failure on Cylinder No. 3 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0813 Ignition Coil Failure on Cylinder No. 4 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0814 Ignition Coil Failure on Cylinder No. 5 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0815 Ignition Coil Failure on Cylinder No. 6 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0816 Ignition Coil Failure on Cylinder No. 7 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0817 Ignition Coil Failure on Cylinder No. 8 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0818 Ignition Coil Failure on Cylinder No. 9 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0819 Ignition Coil Failure on Cylinder No. 10 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0821 Ignition Coil Failure on Cylinder No. 11 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0822 Ignition Coil Failure on Cylinder No. 12 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0823 Ignition Coil Failure on Cylinder No. 13 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0824 Ignition Coil Failure on Cylinder No. 14 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0825 Ignition Coil Failure on Cylinder No. 15 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0826 Ignition Coil Failure on Cylinder No. 16 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0827 Ignition Coil Failure on Cylinder No. 17 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0828 Ignition Coil Failure on Cylinder No. 18 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0829 Spark Plug shorted/fouled on Cylinder No. 1 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0831 Spark Plug shorted/fouled on Cylinder No. 2 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0832 Spark Plug shorted/fouled on Cylinder No. 3 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0833 Spark Plug shorted/fouled on Cylinder No. 4 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0834 Spark Plug shorted/fouled on Cylinder No. 5 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0835 Spark Plug shorted/fouled on Cylinder No. 6 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0836 Spark Plug shorted/fouled on Cylinder No. 7 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0837 Spark Plug shorted/fouled on Cylinder No. 8 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0838 Spark Plug shorted/fouled on Cylinder No. 9 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0839 Spark Plug shorted/fouled on Cylinder No. 10 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0841 Spark Plug shorted/fouled on Cylinder No. 11 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0842 Spark Plug shorted/fouled on Cylinder No. 12 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0843 Spark Plug shorted/fouled on Cylinder No. 13 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0844 Spark Plug shorted/fouled on Cylinder No. 14 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0845 Spark Plug shorted/fouled on Cylinder No. 15 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0846 Spark Plug shorted/fouled on Cylinder No. 16 Circuit - Voltage Below Normal, or Shorted to Low Source

- 0847 Spark Plug shorted/fouled on Cylinder No. 17 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0848 Spark Plug shorted/fouled on Cylinder No. 18 Circuit - Voltage Below Normal, or Shorted to Low Source
- 0849 Spark Plug Prognostic on Cylinder No. 1 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0851 Spark Plug Prognostic on Cylinder No. 2 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0852 Spark Plug Prognostic on Cylinder No. 3 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0853 Spark Plug Prognostic on Cylinder No. 4 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0854 Spark Plug Prognostic on Cylinder No. 5 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0855 Spark Plug Prognostic on Cylinder No. 6 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0856 Spark Plug Prognostic on Cylinder No. 7 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0857 Spark Plug Prognostic on Cylinder No. 8 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0858 Spark Plug Prognostic on Cylinder No. 9 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0859 Spark Plug Prognostic on Cylinder No. 10 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0861 Spark Plug Prognostic on Cylinder No. 11 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0862 Spark Plug Prognostic on Cylinder No. 12 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0863 Spark Plug Prognostic on Cylinder No. 13 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0864 Spark Plug Prognostic on Cylinder No. 14 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0865 Spark Plug Prognostic on Cylinder No. 15 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0866 Spark Plug Prognostic on Cylinder No. 16 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0867 Spark Plug Prognostic on Cylinder No. 17 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0868 Spark Plug Prognostic on Cylinder No. 18 - Data Valid but Above Normal Operational Range - Least Severe Level

- 0869 Ignition Coil Prognostic on Cylinder No. 1 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0871 Ignition Coil Prognostic on Cylinder No. 2 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0872 Ignition Coil Prognostic on Cylinder No. 3 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0873 Ignition Coil Prognostic on Cylinder No. 4 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0874 Ignition Coil Prognostic on Cylinder No. 5 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0875 Ignition Coil Prognostic on Cylinder No. 6 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0876 Ignition Coil Prognostic on Cylinder No. 7 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0877 Ignition Coil Prognostic on Cylinder No. 8 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0878 Ignition Coil Prognostic on Cylinder No. 9 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0879 Ignition Coil Prognostic on Cylinder No. 10 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0881 Ignition Coil Prognostic on Cylinder No. 11 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0882 Ignition Coil Prognostic on Cylinder No. 12 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0883 Ignition Coil Prognostic on Cylinder No. 13 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0884 Ignition Coil Prognostic on Cylinder No. 14 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0885 Ignition Coil Prognostic on Cylinder No. 15 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0886 Ignition Coil Prognostic on Cylinder No. 16 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0887 Ignition Coil Prognostic on Cylinder No. 17 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0888 Ignition Coil Prognostic on Cylinder No. 18 - Data Valid but Above Normal Operational Range - Least Severe Level
- 0889 Spark Plug Flash-over on Cylinder No. 1 - Root Cause Not Known
- 0891 Spark Plug Flash-over on Cylinder No. 2 - Root Cause Not Known

- 0892 Spark Plug Flash-over on Cylinder No. 3 - Root Cause Not Known
- 0893 Spark Plug Flash-over on Cylinder No. 4 - Root Cause Not Known
- 0894 Spark Plug Flash-over on Cylinder No. 5 - Root Cause Not Known
- 0895 Spark Plug Flash-over on Cylinder No. 6 - Root Cause Not Known
- 0896 Spark Plug Flash-over on Cylinder No. 7 - Root Cause Not Known
- 0897 Spark Plug Flash-over on Cylinder No. 8 - Root Cause Not Known
- 0898 Spark Plug Flash-over on Cylinder No. 9 - Root Cause Not Known
- 0899 Spark Plug Flash-over on Cylinder No. 10 - Root Cause Not Known
- 0911 Spark Plug Flash-over on Cylinder No. 11 - Root Cause Not Known
- 0912 Spark Plug Flash-over on Cylinder No. 12 - Root Cause Not Known
- 0913 Spark Plug Flash-over on Cylinder No. 13 - Root Cause Not Known
- 0914 Spark Plug Flash-over on Cylinder No. 14 - Root Cause Not Known
- 0915 Spark Plug Flash-over on Cylinder No. 15 - Root Cause Not Known
- 0916 Spark Plug Flash-over on Cylinder No. 16 - Root Cause Not Known
- 0917 Spark Plug Flash-over on Cylinder No. 17 - Root Cause Not Known
- 0918 Spark Plug Flash-over on Cylinder No. 18 - Root Cause Not Known
- 0919 Ignition Coil Internal Spark on Cylinder No. 1 - Root Cause Not Known
- 0921 Ignition Coil Internal Spark on Cylinder No. 2 - Root Cause Not Known
- 0922 Ignition Coil Internal Spark on Cylinder No. 3 - Root Cause Not Known
- 0923 Ignition Coil Internal Spark on Cylinder No. 4 - Root Cause Not Known
- 0924 Ignition Coil Internal Spark on Cylinder No. 5 - Root Cause Not Known
- 0925 Ignition Coil Internal Spark on Cylinder No. 6 - Root Cause Not Known
- 0926 Ignition Coil Internal Spark on Cylinder No. 7 - Root Cause Not Known
- 0927 Ignition Coil Internal Spark on Cylinder No. 8 - Root Cause Not Known
- 0928 Ignition Coil Internal Spark on Cylinder No. 9 - Root Cause Not Known
- 0929 Ignition Coil Internal Spark on Cylinder No. 10 - Root Cause Not Known
- 0931 Ignition Coil Internal Spark on Cylinder No. 11 - Root Cause Not Known
- 0932 Ignition Coil Internal Spark on Cylinder No. 12 - Root Cause Not Known
- 0933 Ignition Coil Internal Spark on Cylinder No. 13 - Root Cause Not Known
- 0934 Ignition Coil Internal Spark on Cylinder No. 14 - Root Cause Not Known
- 0935 Ignition Coil Internal Spark on Cylinder No. 15 - Root Cause Not Known
- 0936 Ignition Coil Internal Spark on Cylinder No. 16 - Root Cause Not Known
- 0937 Ignition Coil Internal Spark on Cylinder No. 17 - Root Cause Not Known
- 0938 Ignition Coil Internal Spark on Cylinder No. 18 - Root Cause Not Known
- 0939 Ignition Control Module #1 - Bad Intelligent Device or Component
- 0941 Ignition Control Module #2 - Bad Intelligent Device or Component
- 0942 Ignition Control Module #3 - Bad Intelligent Device or Component
- 0943 Ignition Control Module #4 - Bad Intelligent Device or Component

- 0944 Cylinder Power Imbalance between cylinders - Data Erratic, Intermittent, or Incorrect
- 0951 Reserved for temporary use - Not Mapped
- 0952 Reserved for temporary use - Not Mapped
- 0953 Reserved for temporary use - Not Mapped
- 0954 Reserved for temporary use - Not Mapped
- 0955 Reserved for temporary use - Not Mapped
- 0956 Reserved for temporary use - Not Mapped
- 0957 Reserved for temporary use - Not Mapped
- 0958 Reserved for temporary use - Not Mapped
- 0959 Reserved for temporary use - Not Mapped
- 0961 Reserved for temporary use - Not Mapped
- 0962 Reserved for temporary use - Not Mapped
- 0963 Reserved for temporary use - Not Mapped
- 0964 Reserved for temporary use - Not Mapped
- 0965 Reserved for temporary use - Not Mapped
- 0966 Reserved for temporary use - Not Mapped
- 0967 Reserved for temporary use - Not Mapped
- 0968 Reserved for temporary use - Not Mapped
- 0969 Reserved for temporary use - Not Mapped
- 0971 Reserved for temporary use - Not Mapped
- 0972 Reserved for temporary use - Not Mapped
- 0973 Reserved for temporary use - Not Mapped
- 0974 Reserved for temporary use - Not Mapped
- 0975 Reserved for temporary use - Not Mapped
- 0976 Reserved for temporary use - Not Mapped
- 0977 Reserved for temporary use - Not Mapped
- 0978 Reserved for temporary use - Not Mapped
- 0979 Reserved for temporary use - Not Mapped
- 0981 Reserved for temporary use - Not Mapped
- 0982 Reserved for temporary use - Not Mapped
- 0983 Reserved for temporary use - Not Mapped
- 0984 Reserved for temporary use - Not Mapped
- 0985 Reserved for temporary use - Not Mapped
- 0986 Reserved for temporary use - Not Mapped
- 0987 Reserved for temporary use - Not Mapped
- 0988 Reserved for temporary use - Not Mapped
- 0989 Reserved for temporary use - Not Mapped
- 0991 Reserved for temporary use - Not Mapped

- 0992 Reserved for temporary use - Not Mapped
- 0993 Reserved for temporary use - Not Mapped
- 0994 Reserved for temporary use - Not Mapped
- 0995 Reserved for temporary use - Not Mapped
- 0996 Reserved for temporary use - Not Mapped
- 0997 Reserved for temporary use - Not Mapped
- 0998 Reserved for temporary use - Not Mapped
- 0999 Source 1 Transfer Switch failed to close - Root Cause Not Known
- 1113 Source 2 Transfer Switch failed to close - Root Cause Not Known
- 1114 Transfer Switch failed to charge - Root Cause Not Known
- 1115 ECM - Bad Intelligent Device or Component
- 1116 Power Lost With Ignition On - Data Erratic, Intermittent, or Incorrect
- 1117 Engine Coolant Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 1119 Transfer Switch failed to open/disconnect - Root Cause Not Known
- 1121 Rated to Idle Transition Delay - Condition Exists
- 1122 Shutdown After Battle Short - Condition Exists
- 1123 Delayed Shutdown - Condition Exists
- 1124 Transfer Switch common alarm - Root Cause Not Known
- 1125 Mixer Inlet Relative Humidity - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 1126 Mixer Inlet Relative Humidity - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 1127 Mixer Inlet Relative Humidity Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 1128 Mixer Inlet Relative Humidity Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 1129 Battle Short Mode Active - Condition Exists
- 1131 Genset Controlled Shutdown In Process - Condition Exists
- 1132 Injector Cylinder #1 - Mechanical System Not Responding Properly or Out of Adjustment
- 1139 Injector Cylinder #2 - Mechanical System Not Responding Properly or Out of Adjustment
- 1141 Injector Cylinder #3 - Mechanical System Not Responding Properly or Out of Adjustment
- 1142 Injector Cylinder #4 - Mechanical System Not Responding Properly or Out of Adjustment
- 1143 Injector Cylinder #5 - Mechanical System Not Responding Properly or Out of Adjustment
- 1144 Injector Cylinder #6 - Mechanical System Not Responding Properly or Out of Adjustment
- 1145 Keyswitch Relay Driver Circuit - Root Cause Not Known
- 1147 Transmission Output Shaft Speed - Data Erratic, Intermittent, or Incorrect
- 1179 Transmission Torque Converter Clutch Circuit Performance - Data Erratic, Intermittent, or Incorrect
- 1181 Transmission Oil Temperature - Data Erratic, Intermittent, or Incorrect
- 1182 Transmission Solenoid Relay Driver 1 Circuit - Voltage Above Normal, or Shorted to High Source

- 1183 Transmission Solenoid Relay Driver 1 Circuit - Voltage Below Normal, or Shorted to Low Source
- 1184 Transmission Overdrive Solenoid Driver Circuit - Voltage Above Normal, or Shorted to High Source
- 1185 Transmission Overdrive Solenoid Driver Circuit - Voltage Below Normal, or Shorted to Low Source
- 1186 Transmission Torque Converter Clutch Solenoid Driver Circuit - Voltage Above Normal, or Shorted to High Source
- 1187 Transmission Torque Converter Clutch Solenoid Driver Circuit - Voltage Below Normal, or Shorted to Low Source
- 1188 Transmission Oil Temperature Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 1197 Transmission Oil Temperature Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 1198 Transmission Oil Pressure Circuit - Voltage Below Normal, or Shorted to Low Source
- 1199 Fuel Shutoff Valve #1 Circuit - Root Cause Not Known
- 1211 Fuel Shutoff Valve #2 Circuit - Root Cause Not Known
- 1212 Transmission Oil Pressure Circuit - Voltage Above Normal, or Shorted to High Source
- 1214 Transmission Oil Mid-Range Pressure - Data Erratic, Intermittent, or Incorrect
- 1215 Transmission Oil Zero Pressure - Data Erratic, Intermittent, or Incorrect
- 1216 Transmission Oil Zero Offset Pressure - Data Erratic, Intermittent, or Incorrect
- 1217 Utility Circuit Breaker Tripped - Condition Exists
- 1219 Utility Circuit Breaker Position Contact Failed - Condition Exists
- 1221 Power Transfer Control Not In Automatic Mode - Condition Exists
- 1222 Utility Frequency Out of Range - Condition Exists
- 1223 Generator AC Output Voltage High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 1224 Generator AC Output Voltage Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 1225 Genset Frequency - Abnormal Frequency, Pulse Width, or Period
- 1226 EGR Valve Position Sensor Circuit - Data Erratic, Intermittent, or Incorrect
- 1228 VGT Position Sensor Circuit - Data Erratic, Intermittent, or Incorrect
- 1229 Accelerator Pedal or Lever Position Sensor 1 Circuit - Voltage Above Normal, or Shorted to High Source
- 1237 Accelerator Pedal or Lever Position Sensor 1 Circuit - Voltage Below Normal, or Shorted to Low Source
- 1238 Accelerator Pedal or Lever Position Sensor 2 Circuit - Voltage Above Normal, or Shorted to High Source
- 1239 Accelerator Pedal or Lever Position Sensor 2 Circuit - Voltage Below Normal, or Shorted to Low Source
- 1241 Accelerator Pedal or Lever Position Sensor 1 and 2 Circuit - Data Erratic, Intermittent, or Incorrect
- 1242 Engine Derate - Condition Exists
- 1243 Engine Normal Shutdown - Condition Exists
- 1244 Engine Shutdown - Condition Exists
- 1245 Unrecognized Engine Fault - Condition Exists
- 1246 Engine Shutdown Not Announced - Condition Exists
- 1247 Engine Warning - Condition Exists

- 1248 GenSet Customer Defined Fault #1 - Condition Exists
- 1311 GenSet Customer Defined Fault #2 - Condition Exists
- 1312 GenSet Customer Defined Network Fault #1 - Condition Exists
- 1313 GenSet Customer Defined Network Fault #2 - Condition Exists
- 1314 GenSet Customer Defined Network Fault #3 - Condition Exists
- 1315 GenSet Customer Defined Network Fault #4 - Condition Exists
- 1316 GenSet Customer Defined Fault #3 - Condition Exists
- 1317 GenSet Customer Defined Fault #4 - Condition Exists
- 1318 Generator Alternator Temperature High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 1319 Common Warning Output Relay Driver Diagnostic has detected an error - Condition Exists
- 1321 Analog Input signal circuit for Load Govern kW Setpoint - Voltage Above Normal, or Shorted to High Source
- 1322 Analog Input signal circuit for Load Govern kW Setpoint - Voltage Below Normal, or Shorted to Low Source
- 1323 Analog Input signal circuit for Load Govern kVAR Setpoint - Voltage Above Normal, or Shorted to High Source
- 1324 Analog Input signal circuit for Load Govern kVAR Setpoint - Voltage Below Normal, or Shorted to Low Source
- 1325 Backup Starter Disconnect has failed to disengage starter - Condition Exists
- 1326 Analog Input signal for Load Govern kW Setpoint is set outside of acceptable working limits - Condition Exists
- 1327 Generator Circuit Breaker has tripped - Condition Exists
- 1328 Automatic Voltage Regulator has lost its DC power supply - Condition Exists
- 1329 Automatic Voltage Regulator Driver Diagnostic has detected a Grounded Circuit condition - Current Above Normal, or Grounded Circuit
- 1331 'Off / Manual / Auto' switch circuit - Voltage Below Normal, or Shorted to Low Source
- 1332 'Off / Manual / Auto' switch circuit - Voltage Above Normal, or Shorted to High Source
- 1333 Critical Scalar out-of-range - Condition Exists
- 1334 Non-Critical Scalar out-of-range - Condition Exists
- 1335 Normal engine shutdown cooldown complete - Condition Exists
- 1336 Wink command received from another node on the Lonworks - Condition Exists
- 1337 Paralleling Controller has requested a Generator Shutdown - Condition Exists
- 1341 Fuel System Board (Slot 0) is missing, and or has not been installed correctly - Condition Exists
- 1342 Base Board (Slot 1) is missing, and or has not been installed correctly - Condition Exists
- 1343 Generator Interface Board (Slot 2) is missing, and or has not been installed correctly - Condition Exists
- 1344 Paralleling Board (Slot 3) is missing, and or has not been installed correctly - Condition Exists
- 1345 LonWorks Board (Slot 4) is missing, and or has not been installed correctly - Condition Exists

- 1346 Slot 5 Board is missing, and or has not been installed correctly - Condition Exists
- 1347 Slot 6 Board is missing, and or has not been installed correctly - Condition Exists
- 1348 Slot 7 Board is missing, and or has not been installed correctly - Condition Exists
- 1349 LonWorks Board (Slot 4) is missing - Condition Exists
- 1351 Generator Output Frequency Adjust Potentiometer Circuit - Voltage Above Normal, or Shorted to High Source
- 1411 Droop Adjust Potentiometer Circuit - Voltage Above Normal, or Shorted to High Source
- 1412 Controller Configuration Error - Bad Intelligent Device or Component
- 1413 Run Relay Contact Diagnostic has detected an error - Condition Exists
- 1414 Run Relay Driver Diagnostic has detected an error - Condition Exists
- 1415 Fail to Shutdown - Condition Exists
- 1416 Controller will not Powerdown - Bad Intelligent Device or Component
- 1417 Gain Adjust Potentiometer Circuit - Voltage Above Normal, or Shorted to High Source
- 1418 Fuel Rail Diagnostic has detected an error - Condition Exists
- 1419 Timing Rail Driver #1 Diagnostic has detected an error - Condition Exists
- 1421 Timing Rail Driver #2 Diagnostic has detected an error - Condition Exists
- 1422 Fuel Pump Diagnostic has detected an error - Condition Exists
- 1423 Relay High Side Driver Diagnostic has detected an error - Condition Exists
- 1424 Common Shutdown Relay Driver Diagnostic has detected an error - Condition Exists
- 1425 Common Warning Relay Driver Diagnostic has detected an error - Condition Exists
- 1426 Overspeed Shutdown Relay Diagnostic has detected an error - Condition Exists
- 1427 Low Oil Pressure (LOP) Shutdown Relay Driver Diagnostic has detected an error - Condition Exists
- 1428 High Engine Temperature (HET) Shutdown Relay Driver Diagnostic has detected an error - Condition Exists
- 1429 Pre-Low Oil Pressure Warning Relay Driver Diagnostic has detected an error - Condition Exists
- 1431 Pre-High Engine Temperature Warning Relay Driver Diagnostic has detected an error - Condition Exists
- 1432 Operator Interface Mode Transition to Emergency Stop (due to E-Stop) - Condition Exists
- 1433 Operator Interface Mode Transition to Emergency Stop (due to Remote E-Stop) - Condition Exists
- 1434 Engine Cold - Potential Starting Problem - Condition Exists
- 1435 HPI-PT Fuel System Drivers Common Diagnostic has detected an error - Condition Exists
- 1436 Emergency Stop Path Fuse Blown - Condition Exists
- 1437 Fail to Crank - Condition Exists
- 1438 Fuel Level #2 (Day Tank) Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 1439 Fuel Level #1 (Main Tank) Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 1441 Battery #1 Voltage Low - Data Valid but Below Normal Operational Range - Least Severe Level
- 1442 Battery #1 Voltage Low - Data Valid but Below Normal Operational Range - Most Severe Level

- 1443 kW Overload (on GenSet) - Condition Exists
- 1444 Alternator Short Circuit (on GenSet) - Condition Exists
- 1445 Generator AC Output Voltage High - Data Valid but Above Normal Operational Range - Most Severe Level
- 1446 Generator AC Output Voltage Low - Data Valid but Below Normal Operational Range - Most Severe Level
- 1447 Generator AC Output Frequency Low - Data Valid but Below Normal Operational Range - Most Severe Level
- 1448 Generator AC Output Frequency High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 1449 Generator Output Voltage and Electric Bus Voltage differ - Condition Exists
- 1451 Generator Circuit Breaker Failed to Close - Condition Exists
- 1452 Generator Circuit Breaker Failed to Open - Condition Exists
- 1453 Generator Circuit Breaker Position Contact Failed - Condition Exists
- 1454 Utility Circuit Breaker Position Contact selected is incorrect for Generator Application - Condition Exists
- 1455 Electric Bus Voltage and/or Frequency are out of range for synchronizing to occur - Condition Exists
- 1456 Generator synchronizing to Electric Bus Failed - Condition Exists
- 1457 Generator and Electric Bus phase sequences differ - Condition Exists
- 1458 Generator is absorbing Voltage from the Electric Bus (High reverse KW) - Condition Exists
- 1459 Loss of electric field due to reverse KVAR - Condition Exists
- 1461 High Current on ground circuit - Condition Exists
- 1462 Generator announces to the Lonworks network that the Generator control switch is not in Auto - Condition Exists
- 1463 Due to an Overload or Underfrequency the Generator announces to the Lonworks network that a Load Dump has occurred - Condition Exists
- 1464 Generator announces to the Lonworks network that it is ready to accept a load - Condition Exists
- 1465 Modem Failure - Condition Exists
- 1466 Unable to complete remote connection via the Modem - Condition Exists
- 1467 Lonworks Network Failure - Condition Exists
- 1468 GenSet Measured Speed and AC Output Frequency Conflict - Condition Exists
- 1469 AC Output Current has exceeded the Warning threshold for High Current - Current Above Normal, or Grounded Circuit
- 1471 AC Output Current has exceeded the Shutdown threshold for High Current - Current Above Normal, or Grounded Circuit
- 1472 Electronic Control Module Watchdog has Failed - Condition Exists
- 1473 Software version mismatch has occurred in the ECM between base board and the extended I/O board - Condition Exists
- 1474 Permission to connect to a closed bus has not been received in the required time - Condition Exists

- 1475 ECM base board is not responding to the Lonworks board - Condition Exists
- 1476 Crank Relay Contact Diagnostic has detected an error - Condition Exists
- 1477 Crank Relay Driver Diagnostic has detected an error - Condition Exists
- 1478 Fail to Start Relay Driver Diagnostic has detected an error - Condition Exists
- 1479 Automatic Voltage Regulator Driver Diagnostic has detected an Open Circuit condition. - Current Below Normal, or Open Circuit
- 1481 Generator Set Fault Code has not been acknowledged - Condition Exists
- 1483 Electronic Fuel Control Driver Diagnostic has detected a Grounded circuit condition - Current Above Normal, or Grounded Circuit
- 1485 Electronic Fuel Control Driver Diagnostic has detected an Open circuit condition - Current Below Normal, or Open Circuit
- 1486 'Not in Auto' LED Driver Diagnostic has detected an error - Condition Exists
- 1487 'Warning' LED Driver Diagnostic has detected an error - Condition Exists
- 1488 'Shutdown' LED Driver Diagnostic has detected an error - Condition Exists
- 1489 'Ready to Load' Output Relay Driver Diagnostic has detected an error - Condition Exists
- 1491 'Load Dump' Output Relay Driver Diagnostic has detected an error - Condition Exists
- 1492 Operator Interface Panel Power Relay Driver Diagnostic has detected an error - Condition Exists
- 1493 Modem Power Relay Driver Diagnostic has detected an error - Condition Exists
- 1494 Common Shutdown Output Relay Driver Diagnostic has detected an error - Condition Exists
- 1495 'Run B+' Output Relay Driver Diagnostic has detected an error - Condition Exists
- 1496 'Manual Run/Stop' LED Driver Diagnostic has detected an error - Condition Exists
- 1497 'Exercise' LED Driver Diagnostic has detected an error - Condition Exists
- 1498 'Remote Start' LED Driver Diagnostic has detected an error - Condition Exists
- 1499 Coolant Temperature #2 Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 2111 Coolant Temperature #2 Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 2112 Coolant Temperature #2 High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2113 Coolant Temperature #2 High - Data Valid but Above Normal Operational Range - Most Severe Level
- 2114 Coolant Pressure #2 Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 2115 Coolant Pressure #2 Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 2116 Coolant Pressure #2 Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 2117 Fuel Delivery Pressure High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2118 Fuel Delivery Pressure Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 2119 Exhaust Gas Temperature Cylinder #1 High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2121 Exhaust Gas Temperature Cylinder #2 High - Data Valid but Above Normal Operational Range - Moderately Severe Level

- 2122 Exhaust Gas Temperature Cylinder #3 High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2123 Exhaust Gas Temperature Cylinder #4 High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2124 Exhaust Gas Temperature Cylinder #5 High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2125 Exhaust Gas Temperature Cylinder #6 High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2126 Exhaust Gas Temperature Cylinder #7 High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2127 Exhaust Gas Temperature Cylinder #8 High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2128 Exhaust Gas Temperature Cylinder #9 High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2129 Exhaust Gas Temperature Cylinder #10 High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2131 Exhaust Gas Temperature Cylinder #11 High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2132 Exhaust Gas Temperature Cylinder #12 High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2133 Exhaust Gas Temperature Cylinder #13 High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2134 Exhaust Gas Temperature Cylinder #14 High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2135 Exhaust Gas Temperature Cylinder #15 High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2136 Exhaust Gas Temperature Cylinder #16 High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2137 Exhaust Gas Temperature Cylinder #17 High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2138 Exhaust Gas Temperature Cylinder #18 High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2139 Externally Supplied Air Pressure Signal Circuit - Voltage Above Normal, or Shorted to High Source
- 2141 Externally Supplied Air Pressure Signal Circuit - Voltage Below Normal, or Shorted to Low Source
- 2142 Externally Supplied Air Pressure high - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2143 Exhaust Gas Temperature Cylinder #17 High - Data Valid but Above Normal Operational Range - Most Severe Level

- 2144 Exhaust Gas Temperature Cylinder #18 High - Data Valid but Above Normal Operational Range - Most Severe Level
- 2145 Exhaust Gas Temperature Cylinder #17 Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 2146 Exhaust Gas Temperature Cylinder #18 Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 2147 Cylinder Power for Cylinder #17 High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2148 Cylinder Power for Cylinder #18 High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2149 Cylinder Power for Cylinder #17 High - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 2151 Cylinder Power for Cylinder #18 High - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 2152 Post-Oil Filter Pressure Low - Data Valid but Below Normal Operational Range - Most Severe Level
- 2153 Post-Oil Filter Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 2154 Post-Oil Filter Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 2155 Intake Manifold Air Temperature #2 Rapid Rise - Abnormal Rate of Change
- 2157 Intake Manifold Air Temperature #3 Rapid Rise - Abnormal Rate of Change
- 2158 Intake Manifold Air Temperature #4 Rapid Rise - Abnormal Rate of Change
- 2159 Turbocharger #4 Compressor Inlet Temperature High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2161 Turbocharger #3 Compressor Inlet Temperature High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2162 Turbocharger #3 Compressor Inlet Temperature Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 2163 Turbocharger #3 Compressor Inlet Temperature Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 2164 Turbocharger #4 Compressor Inlet Temperature Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 2165 Turbocharger #4 Compressor Inlet Temperature Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 2166 Intake Restriction #3 High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2167 Intake Restriction #4 High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2168 Intake Air Leak #3 Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 2169 Intake Air Leak #4 Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 2171 Intake Restriction #3 Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 2172 Intake Restriction #3 Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 2173 Intake Restriction #4 Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 2174 Intake Restriction #4 Sensor Circuit - Voltage Below Normal, or Shorted to Low Source

- 2175 Intake Manifold Air Temperature #1 High - Data Valid but Above Normal Operational Range - Least Severe Level
- 2176 Intake Manifold Air Temperature #2 High - Data Valid but Above Normal Operational Range - Least Severe Level
- 2177 Intake Manifold Air Temperature #3 High - Data Valid but Above Normal Operational Range - Least Severe Level
- 2178 Intake Manifold Air Temperature #4 High - Data Valid but Above Normal Operational Range - Least Severe Level
- 2179 Fan Control Signal Circuit - Voltage Above Normal, or Shorted to High Source
- 2181 Engine Brake Driver #1 Circuit - Voltage Above Normal, or Shorted to High Source
- 2182 Engine Brake Driver #1 Circuit - Voltage Below Normal, or Shorted to Low Source
- 2183 Electronic Fuel Control Valve Hysteresis - Root Cause Not Known
- 2184 Sensor Supply Voltage #4 Circuit - Voltage Above Normal, or Shorted to High Source
- 2185 Sensor Supply Voltage #4 Circuit - Voltage Below Normal, or Shorted to Low Source
- 2186 Exhaust Back Pressure High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2187 Heated Oxygen Sensor Heater Control Signal Circuit - Voltage Above Normal, or Shorted to High Source
- 2188 Leaking Throttle Plate - Mechanical System Not Responding Properly or Out of Adjustment
- 2189 Manifold Absolute Pressure Sensor disagrees with the Compressor Outlet Pressure Sensor - Condition Exists
- 2191 Heated Oxygen Sensor Heater Control Signal Circuit - Voltage Below Normal, or Shorted to Low Source
- 2192 Coolant Level High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2193 Auxiliary Equipment Sensor Input # 2 (OEM Pressure Sensor) Engine Protection Warning - Root Cause Not Known
- 2194 Auxiliary Equipment Sensor Input # 3 (OEM Switch) Engine Protection Critical - Special Instructions
- 2195 Oil Temperature Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 2196 (OEM Temperature Sensor) Engine Protection Warning - Root Cause Not Known
- 2197 VGT Actuator Driver Circuit - Root Cause Not Known
- 2198 Crank sync error - Data Erratic, Intermittent, or Incorrect
- 2199 Fuel Heater Signal Circuit - Voltage Above Normal, or Shorted to High Source
- 2211 Fuel Heater Signal Circuit - Voltage Below Normal, or Shorted to Low Source
- 2212 Coolant System Thermostat Circuit - Voltage Above Normal, or Shorted to High Source
- 2213 Coolant System Thermostat Circuit - Voltage Below Normal, or Shorted to Low Source
- 2214 Fuel Pump Delivery Pressure - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 2215 Fuel Pump Delivery Pressure - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2216 ECM Program Memory (RAM) Corruption - Condition Exists

- 2217 Sudden Vehicle Speed Deceleration - Condition Exists
- 2218 Heated Oxygen Sensor High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2219 Heated Oxygen Sensor Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 2221 (Main Tank) Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 2222 (Main Tank) Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 2223 (Main Tank) Sensor Circuit - Data Erratic, Intermittent, or Incorrect
- 2224 High Side Refrigerant Pressure Switch Circuit - Voltage Above Normal, or Shorted to High Source
- 2225 High Side Refrigerant Pressure Switch Circuit - Voltage Below Normal, or Shorted to Low Source
- 2226 Intake Manifold Pressure Circuit Leak - Voltage Below Normal, or Shorted to Low Source
- 2227 Fuel Delivery Pressure (absolute) High - Data Valid but Above Normal Operational Range - Most Severe Level
- 2228 Heated Oxygen Sensor Circuit long term drift - Out of Calibration
- 2229 Knock Sensor Circuit, Cylinder #1 - Voltage Above Normal, or Shorted to High Source
- 2231 Knock Sensor Circuit, Cylinder #2 - Voltage Above Normal, or Shorted to High Source
- 2232 Knock Sensor Circuit, Cylinder #3 - Voltage Above Normal, or Shorted to High Source
- 2233 Knock Sensor Circuit, Cylinder #4 - Voltage Above Normal, or Shorted to High Source
- 2234 Knock Sensor Circuit, Cylinder #5 - Voltage Above Normal, or Shorted to High Source
- 2235 Knock Sensor Circuit, Cylinder #6 - Voltage Above Normal, or Shorted to High Source
- 2236 Knock Sensor Circuit, Cylinder #7 - Voltage Above Normal, or Shorted to High Source
- 2237 Knock Sensor Circuit, Cylinder #8 - Voltage Above Normal, or Shorted to High Source
- 2238 Knock Sensor Circuit, Cylinder #9 - Voltage Above Normal, or Shorted to High Source
- 2239 Intake Manifold Air Temperature #5 High - Data Valid but Above Normal Operational Range - Most Severe Level
- 2241 Intake Manifold Air Temperature Sensor #5 Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 2242 Intake Manifold Air Temperature Sensor #5 Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 2243 Intake Manifold Air Temperature #5 Rapid Rise - Abnormal Rate of Change
- 2244 Intake Manifold Air Temperature #6 High - Data Valid but Above Normal Operational Range - Most Severe Level
- 2245 Intake Manifold Air Temperature Sensor #6 Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 2246 Intake Manifold Air Temperature Sensor #6 Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 2247 Intake Manifold Air Temperature #6 Rapid Rise - Abnormal Rate of Change
- 2248 Interstage Air Pressure #1 High - Data Valid but Above Normal Operational Range - Moderately Severe Level

- 2251 Interstage Air Pressure #1 Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 2252 Interstage Air Pressure #1 Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 2253 Interstage Air Pressure #1 Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 2254 Interstage Air Pressure #2 High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2255 Interstage Air Pressure #2 Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 2256 Interstage Air Pressure #2 Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 2257 Interstage Air Pressure #2 Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 2258 Fuel Pump Delivery Pressure High - Out of Calibration
- 2259 Fuel Pump Delivery Pressure High - Data Valid but Above Normal Operational Range - Least Severe Level
- 2261 Fuel Pump Delivery Pressure Low - Data Valid but Below Normal Operational Range - Least Severe Level
- 2262 Battery Temperature High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2263 Battery Temperature Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 2264 Fuel Priming Pump Control Signal Circuit - Voltage Above Normal, or Shorted to High Source
- 2265 Fuel Priming Pump Control Signal Circuit - Voltage Below Normal, or Shorted to Low Source
- 2266 Electrical Charging System Malfunction Low - Data Valid but Below Normal Operational Range - Least Severe Level
- 2267 Brake Switch Circuit Voltage High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2268 Brake Switch Circuit Voltage Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 2269 EGR Valve Position Circuit - Voltage Above Normal, or Shorted to High Source
- 2271 EGR Valve Position Circuit - Voltage Below Normal, or Shorted to Low Source
- 2272 Exhaust Gas Recirculation Valve Delta Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 2273 Exhaust Gas Recirculation Valve Delta Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 2274 Exhaust Gas Temperature Bank #1 is Greater than Bank #2 - Condition Exists
- 2275 Exhaust Gas Temperature Bank #2 is Greater than Bank #1 - Condition Exists
- 2276 Variable Geometry Turbocharger Actuator Driver Circuit - Voltage Above Normal, or Shorted to High Source
- 2277 Variable Geometry Turbocharger Actuator Driver Circuit - Voltage Below Normal, or Shorted to Low Source
- 2278 Vehicle Speed Sensor Greater than Zero, ICON engaged - Data Valid but Above Normal Operational Range - Most Severe Level

- 2291 Fuel Inlet Meter Device - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2292 Fuel Inlet Meter Device flow demand lower than expected - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 2293 High Fuel Rail Pressure Detected After Shutdown - Special Instructions
- 2294 ECM Internal Temperature - Data Valid but Above Normal Operational Range - Least Severe Level
- 2295 Fuel Rack Actuator Drivers Diagnostic has detected an error - Condition Exists
- 2296 Priming Pump Driver Diagnostic has detected an error - Condition Exists
- 2297 Engine Fuel Shutoff Valve #2 Circuit - Voltage Below Normal, or Shorted to Low Source
- 2298 Fuel Pressure Sensor Circuit - Data Erratic, Intermittent, or Incorrect
- 2299 Fueling Actuator #1 Circuit Error - Condition Exists
- 2311 Timing Actuator #1Circuit Error - Condition Exists
- 2312 Fueling Actuator #2 Circuit Error - Condition Exists
- 2313 Engine Timing Actuator #2 Circuit Error - Condition Exists
- 2314 Red Stop Lamp Circuit - Voltage Above Normal, or Shorted to High Source
- 2315 Amber Warning Lamp Circuit - Voltage Above Normal, or Shorted to High Source
- 2316 Amber Warning Lamp Circuit - Voltage Below Normal, or Shorted to Low Source
- 2317 Exhaust Back Pressure Sensor Circuit - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 2319 Engine Speed / Position Sensor #1 - Data Erratic, Intermittent, or Incorrect
- 2321 Engine Speed / Position Sensor #2 - Data Erratic, Intermittent, or Incorrect
- 2322 GenSet Customer Defined Network Fault #5 - Condition Exists
- 2323 GenSet Customer Defined Network Fault #6 - Condition Exists
- 2324 GenSet Customer Defined Network Fault #7 - Condition Exists
- 2325 GenSet Customer Defined Network Fault #8 - Condition Exists
- 2326 Automatic Main Utility Module Status - Condition Exists
- 2327 Utility Available for Loading - Condition Exists
- 2328 Utility Under Frequency - Condition Exists
- 2329 Utility Under Voltage - Condition Exists
- 2331 Utility Connected to Load - Condition Exists
- 2332 Generator Set Connected to Load - Condition Exists
- 2333 Power Transferred From Utility to Genset - Condition Exists
- 2334 Loss of AC Phase Voltage Sensing - Condition Exists
- 2335 Controller Checksums Differ From Calibration Download - Condition Exists
- 2336 AMF Board is Present But Not Enabled - Condition Exists
- 2337 AMF Board is Not Present But Enabled - Condition Exists
- 2338 Power Down Mode Function is Enabled, but the Automatic Main Utility Module and/or the Lonworks board is unavailable - Condition Exists
- 2339 Genset Controller Internal Overtemperature - Data Valid but Above Normal Operational Range - Least

Severe Level

- 2341 Genset in Idle Mode Too Long - Condition Exists
- 2342 Fuel Filter Restriction High Maintenance - Data Valid but Above Normal Operational Range - Least Severe Level
- 2343 Fuel Filter Restriction Circuit - Data Erratic, Intermittent, or Incorrect
- 2344 Turbocharger speed invalid rate of change detected - Abnormal Rate of Change
- 2345 Turbocharger Turbine Inlet Temperature (Calculated) - Data Valid but Above Normal Operational Range - Least Severe Level
- 2346 Turbocharger Compressor Outlet Temperature (Calculated) - Data Valid but Above Normal Operational Range - Least Severe Level
- 2347 EGR valve position failed automatic calibration procedure - Out of Calibration
- 2348 EGR Valve Control Circuit - Current Below Normal, or Open Circuit
- 2349 EGR Valve Control Circuit - Voltage Below Normal, or Shorted to Low Source
- 2351 EGR Valve Control Circuit - Voltage Above Normal, or Shorted to High Source
- 2352 EGR Valve Control Circuit - Current Above Normal, or Grounded Circuit
- 2353 VGT Air Control Shutoff Valve Circuit - Voltage Above Normal, or Shorted to High Source
- 2355 VGT Air Control Shutoff Valve Circuit - Voltage Below Normal, or Shorted to Low Source
- 2356 EGR Valve Control - Mechanical System Not Responding Properly or Out of Adjustment
- 2357 Utility Overvoltage - Condition Exists
- 2358 EGR differential pressure sensor - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2359 Engine Brake Actuator Circuit #1 - Voltage Below Normal, or Shorted to Low Source
- 2362 Engine Brake Actuator Circuit #2 - Voltage Below Normal, or Shorted to Low Source
- 2363 Engine Brake Actuator Circuit #3 - Voltage Below Normal, or Shorted to Low Source
- 2365 Engine Brake Actuator Circuit #1 - Voltage Above Normal, or Shorted to High Source
- 2366 Engine Brake Actuator Circuit #2 - Voltage Above Normal, or Shorted to High Source
- 2367 Engine Brake Actuator Circuit #3 - Voltage Above Normal, or Shorted to High Source
- 2368 Exhaust Brake Actuator Circuit #1 - Voltage Below Normal, or Shorted to Low Source
- 2369 Exhaust Brake Actuator Circuit #1 - Voltage Above Normal, or Shorted to High Source
- 2371 Fuel Filter Restriction - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2372 Exhaust Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 2373 Exhaust Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 2374 Recirculated Exhaust Gas Temperature Sensor Circuit - Voltage Above Normal, or Shorted to High Source
- 2375 Recirculated Exhaust Gas Temperature Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 2376 Fan Control Circuit - Voltage Above Normal, or Shorted to High Source
- 2377 Pre-filter Fuel Pressure Circuit - Voltage Below Normal, or Shorted to Low Source
- 2378 Pre-filter Fuel Pressure Circuit - Voltage Above Normal, or Shorted to High Source
- 2379 VGT Position Sensor Circuit - Voltage Above Normal, or Shorted to High Source

- 2381 VGT Position Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
- 2382 VGT Actuator Driver Circuit - Current Below Normal, or Open Circuit
- 2383 VGT Actuator Driver Circuit - Voltage Below Normal, or Shorted to Low Source
- 2384 VGT Actuator Driver Circuit - Voltage Above Normal, or Shorted to High Source
- 2385 VGT Actuator Driver Circuit - Current Above Normal, or Grounded Circuit
- 2386 VGT Actuator Driver Circuit (Motor) - Mechanical System Not Responding Properly or Out of Adjustment
- 2387 VGT Actuator Position Failed Automatic Calibration Procedure - Out of Calibration
- 2388 Utility Contact failed to close - Condition Exists
- 2396 Utility Contact failed to open - Condition Exists
- 2397 Ambient Air Temperature Sensor Circuit - Data Erratic, Intermittent, or Incorrect
- 2398 Water in Fuel Sensor Circuit - Data Erratic, Intermittent, or Incorrect
- 2399 Fuel Control Valve - Data Erratic, Intermittent, or Incorrect
- 2411 Fan Speed Circuit - Data Erratic, Intermittent, or Incorrect
- 2412 Battery 1 Temperature - Data Erratic, Intermittent, or Incorrect
- 2413 Inlet air Heater #1 Circuit - Voltage Below Normal, or Shorted to Low Source
- 2414 Intake Air Heater #1 Circuit - Voltage Above Normal, or Shorted to High Source
- 2415 ECM Calibration Checksum - Out of Calibration
- 2416 Alternator Field Driver #1 - Data Erratic, Intermittent, or Incorrect
- 2417 Air Conditioner Compressor Clutch Control Circuit - Voltage Above Normal, or Shorted to High Source
- 2418 Transfer Case Switch Circuit - Data Erratic, Intermittent, or Incorrect
- 2419 Transfer Case Switch Circuit - Voltage Below Normal, or Shorted to Low Source
- 2421 Transfer Case Switch Circuit - Voltage Above Normal, or Shorted to High Source
- 2422 Injector Bank 1 Driver Circuit - Current Above Normal, or Grounded Circuit
- 2423 Injector Bank 2 Driver Circuit - Current Above Normal, or Grounded Circuit
- 2424 Inlet air Heater #2 Circuit - Voltage Below Normal, or Shorted to Low Source
- 2425 Inlet air Heater #2 Circuit - Voltage Above Normal, or Shorted to High Source
- 2426 Knock Sensor #1 - Data Valid but Above Normal Operational Range - Least Severe Level
- 2431 Knock Sensor #2 - Data Valid but Above Normal Operational Range - Least Severe Level
- 2432 Knock Sensor #3 - Data Valid but Above Normal Operational Range - Least Severe Level
- 2433 Knock Sensor #4 - Data Valid but Above Normal Operational Range - Least Severe Level
- 2434 Knock Sensor #5 - Data Valid but Above Normal Operational Range - Least Severe Level
- 2435 Knock Sensor #6 - Data Valid but Above Normal Operational Range - Least Severe Level
- 2436 Knock Sensor #7 - Data Valid but Above Normal Operational Range - Least Severe Level
- 2437 Knock Sensor #8 - Data Valid but Above Normal Operational Range - Least Severe Level
- 2438 Knock Sensor #9 - Data Valid but Above Normal Operational Range - Least Severe Level
- 2439 Knock Sensor #10 - Data Valid but Above Normal Operational Range - Least Severe Level
- 2441 Generator Total Real Power - Current Above Normal, or Grounded Circuit

- 2453 Generator Total Real Power - Current Below Normal, or Open Circuit
- 2454 External Governor Speed or Frequency Bias - Current Below Normal, or Open Circuit
- 2455 External Governor Speed or Frequency Bias - Current Above Normal, or Grounded Circuit
- 2456 Multiple Cylinder Misfire - Condition Exists
- 2457 Engine Misfire Right Bank Cylinder #1 - Data Valid but Above Normal Operational Range - Most Severe Level
- 2469 Engine Misfire Right Bank Cylinder #2 - Data Valid but Above Normal Operational Range - Most Severe Level
- 2471 Engine Misfire Right Bank Cylinder #3 - Data Valid but Above Normal Operational Range - Most Severe Level
- 2472 Engine Misfire Right Bank Cylinder #4 - Data Valid but Above Normal Operational Range - Most Severe Level
- 2473 Engine Misfire Right Bank Cylinder #5 - Data Valid but Above Normal Operational Range - Most Severe Level
- 2475 Engine Misfire Right Bank Cylinder #6 - Data Valid but Above Normal Operational Range - Most Severe Level
- 2476 Engine Misfire Right Bank Cylinder #7 - Data Valid but Above Normal Operational Range - Most Severe Level
- 2477 Engine Misfire Right Bank Cylinder #8 - Data Valid but Above Normal Operational Range - Most Severe Level
- 2478 Engine Misfire Right Bank Cylinder #9 - Data Valid but Above Normal Operational Range - Most Severe Level
- 2479 Engine Misfire Right Bank Cylinder #10 - Data Valid but Above Normal Operational Range - Most Severe Level
- 2481 Start Before Ready Status Error - Condition Exists
- 2482 Starter Engagement Failure - Mechanical System Not Responding Properly or Out of Adjustment
- 2483 Exhaust Temperature Left Bank Cylinder #1 - Abnormal Rate of Change
- 2484 Exhaust Temperature Left Bank Cylinder # 2 - Abnormal Rate of Change
- 2485 Exhaust Temperature Left Bank Cylinder # 3 - Abnormal Rate of Change
- 2486 Exhaust Temperature Left Bank Cylinder # 4 - Abnormal Rate of Change
- 2487 Exhaust Temperature Left Bank Cylinder # 5 - Abnormal Rate of Change
- 2488 Exhaust Temperature Left Bank Cylinder # 6 - Abnormal Rate of Change
- 2489 Exhaust Temperature Left Bank Cylinder # 7 - Abnormal Rate of Change
- 2491 Exhaust Temperature Left Bank Cylinder # 8 - Abnormal Rate of Change
- 2492 Exhaust Temperature Left Bank Cylinder # 9 - Abnormal Rate of Change
- 2493 Exhaust Temperature Left Bank Cylinder # 10 - Abnormal Rate of Change
- 2494 Exhaust Temperature Right Bank Cylinder # 1 - Abnormal Rate of Change
- 2495 Exhaust Temperature Right Bank Cylinder # 2 - Abnormal Rate of Change

- 2496 Exhaust Temperature Right Bank Cylinder # 3 - Abnormal Rate of Change
- 2497 Exhaust Temperature Right Bank Cylinder # 4 - Abnormal Rate of Change
- 2498 Exhaust Temperature Right Bank Cylinder # 5 - Abnormal Rate of Change
- 2499 Exhaust Temperature Right Bank Cylinder # 6 - Abnormal Rate of Change
- 2511 Exhaust Temperature Right Bank Cylinder # 7 - Abnormal Rate of Change
- 2512 Exhaust Temperature Right Bank Cylinder # 8 - Abnormal Rate of Change
- 2513 Exhaust Temperature Right Bank Cylinder # 9 - Abnormal Rate of Change
- 2514 Exhaust Temperature Right Bank Cylinder # 10 - Abnormal Rate of Change
- 2515 Air Start Pressure - Data Valid but Below Normal Operational Range - Most Severe Level
- 2516 Throttle Actuator - Data Erratic, Intermittent, or Incorrect
- 2519 Bank Identifier Incorrect - Root Cause Not Known
- 2521 Knock Sensor #1 - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2522 Knock Sensor #2 - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2523 Knock Sensor #3 - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2524 Knock Sensor #4 - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2525 Knock Sensor #5 - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2526 Knock Sensor #6 - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2527 Knock Sensor #7 - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2528 Knock Sensor #8 - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2529 Knock Sensor #9 - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2531 Knock Sensor #10 - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2532 ECM Internal Temperature - Data Valid but Above Normal Operational Range - Most Severe Level
- 2544 Antitheft Password Valid Indicator - Out of Calibration
- 2547 Fan Control Signal Circuit - Voltage Above Normal, or Shorted to High Source
- 2549 Injector Metering Rail #2 Pressure High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2551 Injector Metering Rail #1 Pressure High - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2552 Oil Level Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 2553 Exhaust Pressure Sensor Circuit - Data Erratic, Intermittent, or Incorrect
- 2554 Intake Air Heater #1 Circuit - Voltage Above Normal, or Shorted to High Source
- 2555 Intake Air Heater #1 Circuit - Voltage Below Normal, or Shorted to Low Source
- 2556 Auxiliary PWM Driver #1 - Voltage Above Normal, or Shorted to High Source
- 2557 Auxiliary PWM Driver #1 - Voltage Below Normal, or Shorted to Low Source
- 2558 Transmission ECU to ECM Communication Lost - Abnormal Update Rate
- 2559 Transmission (or Gearbox) Oil Pressure - Data Valid but Below Normal Operational Range - Most Severe Level
- 2561 Transmission (or Gearbox) Oil Temperature - Data Valid but Above Normal Operational Range - Most

Severe Level

- 2562 Engine FSO Assembly FSO#1 Circuit - Data Erratic, Intermittent, or Incorrect
- 2564 Engine FSO Assembly FSO#2 Circuit - Data Erratic, Intermittent, or Incorrect
- 2565 Engine Common AC Power Circuit Breaker - Root Cause Not Known
- 2566 Engine Air Compressor Circuit Breaker - Root Cause Not Known
- 2567 Gas Supply Pressure (Regulated) - Data Valid but Below Normal Operational Range - Most Severe Level
- 2568 Gas Supply Pressure (Regulated) - Data Valid but Below Normal Operational Range - Most Severe Level
- 2569 Engine Oil Level Reserve Tank - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 2577 Radiator Fan Circuit Breaker - Root Cause Not Known
- 2579 Engine Block Heater Circuit Breaker - Root Cause Not Known
- 2581 External Coolant Pump Circuit Breaker - Root Cause Not Known
- 2582 External Oil Pump Circuit Breaker - Root Cause Not Known
- 2583 Exhaust Back Pressure - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2585 Throttle Position Sensor Circuit - Abnormal Frequency, Pulse Width, or Period
- 2618 EGR Temperature - Data Valid but Above Normal Operational Range - Least Severe Level
- 2961 EGR Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
- 2962 Engine Coolant Temperature High - Data Valid but Above Normal Operational Range - Least Severe Level
- 2963 Intake Manifold Temperature High - Data Valid but Above Normal Operational Range - Least Severe Level
- 2964 Genset available for loading pending transfer time delay. - Condition Exists
- 2965 AMF Board not responding - Condition Exists
- 2966 Governor drive circuitry detects a fault - Condition Exists
- 2967 AVR hardware detects a fault - Condition Exists
- 2968 No communication with Lon Works board - Condition Exists
- 2969 AMF Self Test - Condition Exists
- 2971 AVR Field at Max Field Limit for a time greater than Max Field Time - Condition Exists
- 2972 Intake Manifold Pressure Sensor Circuit - Data Erratic, Intermittent, or Incorrect
- 2973 Fuel Rack Position Sensor Circuit - Root Cause Not Known
- 2974 Fuel Rack Position Sensor 2 Circuit - Root Cause Not Known
- 2975 SAE J1939 Data Link 2 Engine Network - Data Erratic, Intermittent, or Incorrect
- 9111 SAE J1939 Data Link 2 Engine Network - Data Erratic, Intermittent, or Incorrect
- 9112 Engine ECM to PCC Controller Communication - Data Erratic, Intermittent, or Incorrect
- 9113 Fuel Control Module - Data Erratic, Intermittent, or Incorrect
- 9114 SAE J1939 Data Link 2 Engine Network- Abnormal Update Rate
- 9115 Electronic Calibration Code - Out of Calibration
- 9116 Fuel Control Module - Bad Intelligent Device or Component
- 9117 Fuel Control Module Power Lost Without Ignition Off - Data Erratic, Intermittent, or Incorrect

- 9118 Fuel Control Module Battery #1 Voltage Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
- 9119 EGR Valve Actuator Over Temperature (Calculated) - Data Valid but Above Normal Operational Range - Least Severe Level
- 9121 VGT Actuator Over Temperature (Calculated) - Data Valid but Above Normal Operational Range - Least Severe Level
- 9122 Non-standard product fault code - not to be used on future engine platforms. - Not Mapped
- 9123 Non-standard product fault code - not to be used on future engine platforms. - Not Mapped
- 9124 Non-standard product fault code - not to be used on future engine platforms. - Not Mapped
- 9125 Non-standard product fault code - not to be used on future engine platforms. - Not Mapped
- 9126 Non-standard product fault code - not to be used on future engine platforms. - Not Mapped
- 9127 Non-standard product fault code - not to be used on future engine platforms. - Not Mapped
- 9128 Non-standard product fault code - not to be used on future engine platforms. - Not Mapped
- 9129 Non-standard product fault code - not to be used on future engine platforms. - Not Mapped
- 9131 Non-standard product fault code - not to be used on future engine platforms. - Not Mapped
- 9132 Non-standard product fault code - not to be used on future engine platforms. - Not Mapped
- 9133 Non-standard product fault code - not to be used on future engine platforms. - Not Mapped
- 9134 Non-standard product fault code - not to be used on future engine platforms. - Not Mapped
- 9135 Non-standard product fault code - not to be used on future engine platforms. - Not Mapped
- 9136 Non-standard product fault code - not to be used on future engine platforms. - Not Mapped
- 9137 Non-standard product fault code - not to be used on future engine platforms. - Not Mapped
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1.1.2 4DA1-2B1 EUROIII DIESEL ENGINE

P0000	Exhaust brake detection faulty
P0016	Camshaft and crankshaft offset large
P0045	ECU internal driver chip boost pressure actuator signal output open circuit
P0046	ECU internal driver chip overtemperature
P0047	ECU internal driver chip boost pressure actuator signal output short circuit to ground
P0048	ECU internal driver chip boost pressure actuator signal output short circuit to battery
P0069	Difference between boost pressure and barometric pressure above upper limit
P0071	Ambient temperature signal error
P0072	Ambient temperature below lower limit
P0073	Ambient temperature below Upper limit
P0087	Rail pressure below the min value
P0088	Rail pressure below the max value
P0097	Intake air temperature sensor supply voltage below lower limit
P0098	Intake air temperature sensor supply voltage below upper limit
P0100	Air flow meter quality signal faulty
P0101	Air flow meter quality correction signal out of range
P0102	Ratio of intake air quality to reference intake air quality below lower limit
P0103	Ratio of intake air quality to reference intake air quality below upper limit
P0104	Air flow meter quality signal out of range
P0110	Air temperature signal circuit short to ground, short to battery, signal interruption
P0112	Air temperature sensor voltage below lower limit/air temperature signal range faulty at minimum duty cycle/air temperature below lower limit
P0113	Air temperature sensor voltage higher upper limit/air temperature signal range faulty at minimum duty cycle/air temperature higher upper limit
P0115	CAN message faulty from coolant temperature sensor
P0116	Coolant temperature sensor dynamic test does not reach minimum temperature difference change within specified time
P0117	Coolant temperature sensor voltage below lower limit
P0118	Coolant temperature sensor voltage higher upper limit
P0122	Accelerator pedal 1 voltage below lower limit
P0123	Accelerator pedal sensor 1 voltage signal above upper limit/depend on injector 4 application
P0128	Coolant temperature sensor absolute test does not reach minimum temperature within specified time

- P0182 Fuel temperature sensor output voltage too low (circuit short to ground)
- P0183 Fuel temperature sensor output voltage too high (circuit open or short to high level)
- P0191 Rail pressure sensor signal above max drift value
- P0192 Rail pressure sensor signal voltage below lower limit
- P0193 Rail pressure sensor signal voltage higher upper limit
- P0194 Rail pressure sensor signal drift quantity below min drift value
- P0195 Incorrect signal to CAN bus
- P0197 Fluid temperature sensor voltage below lower limit
- P0198 Fluid temperature sensor voltage higher upper limit
- P0201 Injector 1 solenoid loading all the time
- P0202 Injector 2 solenoid loading all the time
- P0203 Injector 3 solenoid loading all the time
- P0204 Injector 4 solenoid loading all the time
- P0205 Injector 5 solenoid loading all the time
- P0206 Injector 6 solenoid loading all the time
- P0222 Accelerator pedal potentiometer 2 output voltage below lower limit
- P0223 Accelerator pedal sensor 2 voltage signal above upper limit
- P0234 PCR valve control positive offset too low
- P0235 Boost pressure sensor CAN signal sending interfered
- P0237 Boost pressure sensor voltage below lower limit
- P0238 Boost pressure sensor voltage higher upper limit
- P0251 High pressure fuel pump metering unit open circuit
- P0252 High pressure fuel pump metering unit overheat
- P0253 High pressure fuel pump metering unit output short circuit to ground
- P0254 High pressure fuel pump metering unit output short circuit to battery
- P025C High pressure fuel pump metering unit analog/digital conversion signal range too low
- P025D High pressure fuel pump metering unit analog/digital conversion signal range too high
- P0261 Injector 1 low side short circuit to high side
- P0262 Injector 1 low side short circuit to high level
- P0263 Other faults in injector 1 solenoid
- P0264 Injector 2 low side short circuit to high side
- P0265 Injector 2 low side short circuit to high level
- P0266 Other faults in injector 2 solenoid
- P0267 Injector 3 low side short circuit to high side
- P0268 Injector 3 low side short circuit to high level
- P0269 Other faults in injector 3 solenoid
- P0270 Injector 4 low side short circuit to high side
- P0271 Injector 4 low side short circuit to high level

P0272 Other faults in injector 4 solenoid
P0273 Injector 5 low side short circuit to high side
P0274 Injector 5 low side short circuit to high level
P0275 Other faults in injector 5 solenoid
P0276 Injector 5 low side short circuit to high side
P0277 Injector 5 low side short circuit to high level
P0278 Other faults in injector 5 solenoid
P0299 PCR valve control positive offset too large
P0300 Detected that the number of misfires for multiple cylinders above the upper limit
P0301 Detected that the number of misfires for cylinder 1 above the upper limit
P0302 Detected that the number of misfires for cylinder 2 above the upper limit
P0303 Detected that the number of misfires for cylinder 3 above the upper limit
P0304 Detected that the number of misfires for cylinder 4 above the upper limit
P0305 Detected that the number of misfires for cylinder 5 above the upper limit
P0306 Detected that the number of misfires for cylinder 6 above the upper limit
P0335 No RPM signal
P0336 RPM signal error
P0340 No camshaft signal
P0341 Camshaft signal error
P0380 Glow plug fault, control relay fault, short circuit, current too large
P0382 Glow plug short circuit, current too large
P0383 Control glow plug relay fault (short circuit to ground)
P0384 Control glow plug relay fault (short circuit to power)
P0401 Negative offset allowed by EGR control out of limit
P0402 Positive offset allowed by EGR control out of limit
P0403 EGR control circuit faulty
P0404 EGR control circuit faulty
P0405 EGR solenoid control circuit voltage below lower limit
P0406 EGR solenoid control circuit voltage above upper limit
P0475 Exhaust valve actuator circuit faulty
P0476 Exhaust valve actuator circuit faulty
P0477 Exhaust valve actuator circuit faulty
P0478 Exhaust valve actuator circuit faulty
P0480 Control circuit from ECU to fan 1 open
P0481 Control circuit from ECU to fan 2 open
P0484 Control circuit from ECU to fan 2 - internal driver module overheat
P0487 Throttle valve actuator control circuit open
P0488 Throttle valve actuator ECU internal driver module overheat

P0483	Control fan PWM relay temperature out of limit
P0489	EGR control circuit faulty
P0490	EGR control circuit faulty
P0500	Hardware vehicle speed signal invalid
P0501	Vehicle speed signal incorrect
P0503	Vehicle speed signal above upper limit
P0504	Primary pedal signal and secondary pedal signal not synchronous
P0513	Immobilizer locked/immobilizer not in default safety mode
P0520	Fuel pressure sensor faulty
P0521	Fuel pressure sensor detected too high fuel pressure
P0522	Fuel pressure sensor voltage below lower limit
P0523	Fuel pressure sensor voltage above upper limit
P0524	Fuel pressure sensor detected too low fuel pressure
P0530	ECU internal reception circuit faulty of duty cycle A/C pressure signal
P0531	Duty cycle A/C pressure signal period above upper limit or below lower limit or special fault mode
P0532	A/C pressure signal duty cycle below lower limit
P0533	A/C pressure signal duty cycle above upper limit
P0562	Battery voltage below lower limit
P0563	Battery voltage above upper limit
P0571	Brake pedal signal implausible via CAN
P0575	Cruise control signal status incorrect
P0594	ECU internal driver chip cruise control lamp signal output open circuit
P0595	ECU internal driver chip cruise control lamp signal output short circuit to ground
P0596	ECU internal driver chip cruise control lamp signal output short circuit to battery
P0607	Controller clock faulty
P060A	SPI status communication faulty
P060B	ECU internal AD converter chip faulty
P060c	Controller fault causes system shutdown
P0611	Number of fuel injections limited by charging/quantity balance/software
P0615	Control circuit from ECU to starter motor open/driver module overheat
P0616	Control circuit from ECU to starter motor short to ground
P0617	Control circuit from ECU to starter motor short to high level
P0627	Fuel pump sensor not found
P0628	Fuel pre-supply pump control circuit short to ground
P0629	Fuel pump cannot supply fuel in advance, maybe because battery grounded
P062A	Too high fuel temperature inputted into fuel pump
P062B	Chip CY33XX faulty
P062F	ECU internal EEPROM read/write error

- P0633 Matching the immobilizer failed
- P0638 Fuel pump cannot supply fuel in advance, maybe because short circuit
- P0642 Sensor supply voltage 1 below lower limit
- P0643 Sensor supply voltage 1 above upper limit
- P0645 ECU internal driver chip A/C compressor controller signal output open circuit and chip overheat
- P0646 ECU internal driver chip A/C compressor controller signal output short circuit to ground
- P0647 ECU internal driver chip A/C compressor controller signal output short circuit to battery
- P0648 Immobilizer R circuit short or temperature too high
- P0650 Output circuit faulty from ECU to OBD MIL (circuit short or open)
- P0652 Sensor supply voltage 2 below lower limit
- P0653 Sensor supply voltage 2 above upper limit
- P0660 Turbo actuator power stage open circuit
- P0661 Turbo actuator power stage short circuit to ground
- P0662 Turbo actuator power stage short circuit to battery
- P0670 Circuit temperature too high
- P0686 Main relay opened too early
- P0687 Main relay not opened in time
- P0691 Control fan PWM relay short circuit to ground
- P0692 Control fan PWM relay short circuit to power
- P0693 Control circuit from ECU to fan 2 short to ground
- P0694 Control circuit from ECU to fan 2 short to high level
- P0698 Sensor supply voltage 3 low
- P0699 Sensor supply voltage 3 high
- P0704 Clutch signal not defined/implausible
- P0856 Deceleration control system unreasonable demand
- P1007 FMTC_trq2qBas_Map and fuel quantity curve inconsistent
- P100D Fluid temperature and water temperature signals mixed up
- P1011 Difference between specified and actual rail pressures above upper limit
- P1012 Inlet metering valve flow specified value above upper limit, difference between specified and actual rail pressures above upper limit (specified rail pressure above actual value)
- P1013 Inlet metering valve flow specified value below or equal to lower limit, difference between specified and actual rail pressures above upper limit (specified rail pressure below actual value)
- P1014 Fuel pressure implausible during engine towed
- P1100 Mass air flow meter software correction high
- P1101 Analog output voltage high or low for the additional air temperature sensor on mass air flow meter
- P1102 Air flow meter temperature duty cycle signal faulty
- P1103 Water temperature and fluid temperature signal plausibility check
- P1106 Air temperature signal value above upper limit

- P1107 Air temperature signal value below lower limit
- P1109 Error status of performance limit logic is 0
- P110A Error status of performance limit logic is 1
- P110B Error status of performance limit logic is 2
- P110C Error status of performance limit logic is 3
- P1112 Difference between coolant temperature and second temperature above upper limit
- P112B Specified fault (Bank2 short circuit) causes engine stop
- P112C Specified fault (Bank2 low pressure side short circuit to ground) causes engine stop
- P112E Unclassified error occurs
- P1200 Power-on time after cylinder 1 injector filtering above calibration upper limit
- P1201 Power-on time after cylinder 1 injector filtering below calibration lower limit
- P1202 Power-on time after cylinder 2 injector filtering above calibration upper limit
- P1203 Power-on time after cylinder 2 injector filtering below calibration lower limit
- P1204 Power-on time after cylinder 3 injector filtering above calibration upper limit
- P1205 Power-on time after cylinder 3 injector filtering below calibration lower limit
- P1206 Power-on time after cylinder 4 injector filtering above calibration upper limit
- P1207 Power-on time after cylinder 4 injector filtering below calibration lower limit
- P1208 Power-on time after cylinder 5 injector filtering above calibration upper limit
- P1209 Power-on time after cylinder 5 injector filtering below calibration lower limit
- P120A Power-on time after cylinder 6 injector filtering above calibration upper limit
- P120B Power-on time after cylinder 6 injector filtering below calibration lower limit
- P120C Power-on time of cylinder 1 injector above calibration upper limit
- P120D Power-on time of cylinder 1 injector above calibration low limit
- P120E Power-on time of cylinder 2 injector above calibration upper limit
- P120F Power-on time of cylinder 2 injector above calibration low limit
- P1210 Power-on time of cylinder 3 injector above calibration upper limit
- P1211 Power-on time of cylinder 3 injector above calibration low limit
- P1212 Power-on time of cylinder 4 injector above calibration upper limit
- P1213 Power-on time of cylinder 4 injector above calibration low limit
- P1214 Power-on time of cylinder 5 injector above calibration upper limit
- P1215 Power-on time of cylinder 5 injector above calibration low limit
- P1216 Power-on time of cylinder 6 injector above calibration upper limit
- P1217 Power-on time of cylinder 6 injector above calibration low limit
- P1223 Specified fault (Bank1 short circuit) causes engine stop
- P1224 Specified fault (Bank1 low pressure side short circuit to ground) causes engine stop
- P1225 Injector with other faults
- P1226 Unclassified error occurs
- P1227 Injector with other faults

- P1228 Injector with other faults
- P1229 Injector circuit open
- P122a Injector with other faults
- P122b Injector high side circuit short (not used temporarily, only for engine with 6 cylinders)
- P122c Injector low side circuit short to ground (not used temporarily, only for engine with 6 cylinders)
- P122d Injector with other faults(not used temporarily, only for engine with 6 cylinders)
- P122e Injector with other faults(not used temporarily, only for engine with 6 cylinders)
- P122f Injector with other faults(not used temporarily, only for engine with 6 cylinders)
- P1230 Injector with other faults(not used temporarily, only for engine with 6 cylinders)
- P1231 Injector circuit open(not used temporarily, only for engine with 6 cylinders))
- P1232 Injector with other faults(not used temporarily, only for engine with 6 cylinders)
- P1233 Other faults in injector – cylinder 1
- P1234 Depend on injector 1 application
- P1235 Depend on injector 1 application
- P1236 Depend on injector 2 application
- P1237 Depend on injector 2 application
- P1238 Depend on injector 2 application
- P1239 Depend on injector 3 application
- P123A Depend on injector 3 application
- P123B Depend on injector 3 application
- P123C Depend on injector 4 application
- P123d Other faults in injector – cylinder 4
- P123e Other faults in injector – cylinder 4
- P123F Depend on injector 5 application
- P1240 Depend on injector 5 application
- P1241 Depend on injector 5 application
- P1242 Depend on injector 6 application
- P1243 Depend on injector 6 application
- P1244 Depend on injector 6 application
- P12FF Boost pressure sensor SRCPhy range faulty/coolant temperature sensor faulty/intake air temperature SRCPhy range faulty/fuel temperature sensor SRCPhy range faulty
- P1301 Average number of misfires for multiple cylinders above the upper limit
- P1333 Depend on injector 1 application
- P1562 Air flow meter supply voltage high/low
- P1601 ECU internal driver chip coolant temperature sensor signal output short circuit to battery
- P1602 ECU internal driver chip coolant temperature sensor signal output short circuit to ground
- P1603 ECU internal driver chip coolant temperature sensor signal output circuit open
- P1604 ECU internal driver chip overtemperature

P1605	Engine RPM signal circuit error
P1606	Engine RPM signal circuit error
P1607	Engine RPM signal circuit error
P1608	Glow plug indicator lamp circuit short to power
P1609	Glow plug indicator lamp circuit short to ground
P160A	No load
P160B	Circuit temperature too high
P160C	Rail pressure detection faulty
P1613	Power-on time above tow check limit
P1614	Engine speed calculation incorrect
P1615	Misfire detection
P1616	Initialization watchdog off fault
P1617	Initialization voltage monitoring upper limit cutoff fault
P1618	Initialization voltage monitoring lower limit off fault
P1619	System lamp power stage circuit short to battery
P161A	System lamp power stage circuit short to ground
P161B	System lamp power stage open circuit
P161C	System lamp power stage overheat
P161D	Dataset variable setting verification error
P161E	Dataset variable setting incorrect
P161F	Compression test error
P1620	Turbo actuator power stage overheat
P1621	Engine battery short circuit
P1622	Engine power supply grounded
P1623	Engine no load
P1624	Engine overheat
P1625	Output circuit from ECU to exhaust brake indicator lamp short to high level
P1626	Output circuit from ECU to exhaust brake indicator lamp short to ground
P1627	Output circuit from ECU to exhaust brake indicator lamp open
P1628	Output circuit ECU internal driver module overheat from ECU to exhaust brake indicator lamp
P1629	Throttle position sensor faulty
P1630	Hardware restoration locked
P1631	Hardware restoration limited
P1637	CJ940 supply voltage above upper limit
P1638	CJ940 supply voltage below lower limit
P1641	Shutoff test failure (shutoff test performed by diagnostic tool)
P2135	Accelerator pedal sensors 1 and 2 signal synchronization error
P2141	Throttle valve actuator control circuit short to ground

P2142	Throttle valve actuator control circuit short to high level
P2157	CAN vehicle speed signal invalid
P2226	Atmospheric pressure sensor signal invalid via CAN
P2228	Atmospheric pressure sensor voltage below lower limit
P2229	Atmospheric pressure sensor voltage above upper limit
P2264	Fuel/water separator sensor faulty
P2267	The number of errors reported when fuel/water separator level exceeds specified value above upper limit
P2299	Implausible signal between accelerator pedal and brake pedal
P245A	EGR-cooler bypass valve control circuit faulty
P245B	EGR-cooler bypass valve control circuit faulty
P245C	EGR-cooler bypass valve control circuit faulty
P245D	EGR-cooler bypass valve control circuit faulty
P2517	A/C compressor pressure voltage signal below lower limit
P2518	A/C compressor pressure voltage signal above upper limit
P2519	A/C switch signal invalid via CAN
P2530	Press the STOP button
P2533	No ignition signal
U0100	ECM signal too weak
U0101	No TCM status
U0167	When obtaining signal from immCtlblk, EEPROM error occurs/ICM communication timeout
U0404	TSC request implausible
U0426	Incorrect response from ICM
U1001	No BCM status
U1002	No BSM status
U1003	No BusOff signal on CAN

1.1.3 4DA1-2C EURO4 ENGINE

P0030	Linear O2 sensor heater open circuit
P0031	Linear O2 sensor heater circuit short to ground
P0032	Linear O2 sensor heater circuit short to battery
P0045	Booster circuit open
P0046	Booster drive circuit overtemperature
P0047	Booster control circuit short to ground
P0048	Booster drive circuit short to battery
P0068	Short time offset during throttle valve offset learning
P0069	Barometric pressure sensor and boost pressure sensor implausible
P0070	Air temperature signal implausible

P0072	Air temperature sensor voltage signal below lower limit
P0073	Air temperature sensor voltage signal above upper limit
P0087	Below minimum rail pressure
P0088	Above maximum rail pressure
P0097	Boost pressure temperature sensor voltage below lower limit
P0098	Boost pressure temperature sensor voltage above upper limit
P00BE	Rail pressure initial value discontinuous
P0100	Air flow meter supply voltage faulty
P0101	Air flow meter signal error
P0102	Air flow meter sensitivity test offset below lower limit
P0103	Air flow meter sensitivity test offset below upper limit
P010C	Air flow meter periodic signal below lower limit
P010D	Air flow meter periodic signal below upper limit
P0112	Intake air temperature sensor voltage below lower limit
P0113	Intake air temperature sensor voltage below upper limit
P0116	Water temperature dynamic value implausible
P0117	Engine water temperature sensor voltage below lower limit
P0118	Engine water temperature sensor voltage below upper limit
P0119	Water temperature absolute value implausible
P0122	Accelerator pedal signal 1 lower limit check faulty
P0123	Accelerator pedal signal 1 upper limit check faulty
P0127	Intake air temperature sensor physical value above upper limit
P0128	Temperature diagnosis ID error
P0168	Fuel temperature signal above physical upper limit
P0182	Fuel temperature sensor voltage signal below lower limit
P0183	Fuel temperature sensor voltage signal below upper limit
P0191	Rail pressure initial value above upper limit
P0192	Rail pressure sensor voltage below lower limit
P0193	Rail pressure sensor voltage above upper limit
P0194	Rail pressure initial value below lower limit
P0195	Oil temperature CAN signal faulty
P0196	Oil temperature signal implausible
P0197	Oil temperature signal below lower limit
P0198	Oil temperature signal below upper limit
P0201	Injector circuit open – cylinder 1
P0202	Injector circuit open – cylinder 2
P0203	Injector circuit open – cylinder 3
P0204	Injector circuit open – cylinder 4

- P020A Fault triggered when cylinder 1 ET time reaches max limit (ZFL function enabled)
- P020B Fault triggered when cylinder 2 ET time reaches max limit (ZFL function enabled)
- P020C Fault triggered when cylinder 3 ET time reaches max limit (ZFL function enabled)
- P020D Fault triggered when cylinder 4 ET time reaches max limit (ZFL function enabled)
- P020E Max power-on time reached
- P020F Max power-on time reached
- P0215 Speed protection of dual-mass flywheel
- P0219 Engine overspeed protection
- P0222 Accelerator pedal signal 2 lower limit check faulty
- P0223 Accelerator pedal signal 2 upper limit check faulty
- P022A EGR cooling bypass valve actuator unit ECU signal open circuit
- P022B EGR cooling bypass valve actuator unit ECU signal short circuit to ground
- P022C EGR cooling bypass valve actuator unit ECU signal short circuit to power
- P022E EGR cooling bypass valve position sensor output position signal below lower limit
- P022F EGR cooling bypass valve position sensor output position signal above upper limit
- P0234 Boost pressure regulation controller offset below lower limit
- P0237 Boost pressure signal below lower limit
- P0238 Boost pressure signal above upper limit
- P023D Booster signal drift time too long
- P023E Booster signal drift time too short
- P024A EGR cooling bypass valve actuator unit ECU drive circuit overtemperature
- P024E EGR cooling bypass valve position sensor output voltage signal below lower limit
- P024F EGR cooling bypass valve position sensor output voltage signal above upper limit
- P0251 MEUN open circuit
- P0252 MEUN drive unit temperature too high
- P0253 MEUN output circuit short to ground
- P0254 MEUN output circuit short to battery
- P0255 Intermittent communication between ECU and MEUN
- P025C MEUNAD channel signal range check too low
- P025D MEUNAD channel signal range check too high
- P0263 Cylinder 1 fuel quantity correction malfunction
- P0266 Cylinder 2 fuel quantity correction malfunction
- P0269 Cylinder 3 fuel quantity correction malfunction
- P0272 Cylinder 4 fuel quantity correction malfunction
- P0275 Max power-on time reached
- P0278 Max power-on time reached
- P0299 Boost pressure regulation controller offset above upper limit
- P0335 No crankshaft signal detected

P0336	Crankshaft signal interfered
P0339	Camshaft signal interfered
P0340	No camshaft signal detected
P0341	Camshaft signal offset fault
P0380	Glow plug control unit diagnosis high
P0382	Glow plug control unit diagnosis low
P0383	Glow plug drive circuit short to ground
P0384	Glow plug drive circuit short to power
P0401	Difference between actual fresh intake quantity and required quantity below lower limit (negative offset too large)
P0402	Difference between actual fresh intake quantity and required quantity above upper limit (positive offset too large)
P0403	EGR valve controller chip overtemperature
P0404	EGR short-time drift fault
P0405	EGR valve position feedback voltage below lower limit
P0406	EGR valve position sensor output voltage above upper limit
P0409	EGR valve driver circuit open
P040C	EGR cooler downstream temperature sensor signal low
P040D	EGR cooler downstream temperature sensor signal high
P0426	Oxidation catalytic converter upstream temperature faulty
P0427	Oxidation catalytic converter upstream temperature signal low
P0428	Oxidation catalytic converter upstream temperature signal high
P0480	Switch-type fan control circuit open
P0481	EGR valve circuit open
P0483	EGR valve H bridge chip temperature high
P0484	Switch-type fan control overheat
P0487	Throttle valve drive interface circuit no load
P0488	Throttle valve drive interface circuit overheat
P0489	EGR valve controller circuit short to ground
P0490	EGR valve controller circuit short to power
P0500	Wheel check error by default
P0501	Vehicle speed sensor signal possibly incorrect
P0503	Vehicle speed sensor value above upper limit
P0504	Brake signal implausible or signal line open
P0520	Oil pressure signal faulty from CAN
P0521	Oil pressure too high
P0522	Oil pressure signal above upper limit
P0523	Oil pressure signal above upper limit

- P0524 Oil pressure too low
- P0532 A/C pressure voltage signal below lower limit
- P0533 A/C pressure voltage signal above upper limit
- P0537 A/C evaporator temperature sensor voltage signal below lower limit
- P0538 A/C evaporator temperature sensor voltage signal above upper limit
- P0562 Battery voltage below lower limit
- P0563 Battery voltage above upper limit
- P0571 Brake signal error
- P0575 Analog cruise control implausible
- P0576 Analog cruise control signal low
- P0577 Analog cruise control signal high
- P0578 Analog cruise control button stuck
- P0579 Cruise control button input invalid
- P0607 Cy320 hardware error
- P060A Fault diagnostic report error occurs during overvoltage monitoring
- P060D Accelerator pedal position error in the second monitoring layer
- P0611 Number of injections limited by system
- P061B Torque in the application layer exceeds max torque in the second monitoring layer
- P061C Engine speed error in the second monitoring layer
- P061D Application layer torque limited by second monitoring layer torque
- P061F Throttle valve offset learning implausible
- P0627 Electric fuel delivery pump open circuit
- P0628 Electric fuel delivery pump output circuit short to ground
- P0629 Electric fuel delivery pump output circuit short to power
- P062A Electric fuel delivery pump drive overheat
- P062B Application layer torque limited by second monitoring layer torque
- P062F ECU software read/write error
- P0643 Sensor signal drive power 1 faulty
- P0645 A/C compressor control module circuit open
- P0646 A/C compressor control module circuit short to ground
- P0647 A/C compressor control module circuit short to high level
- P0650 MIL lamp open circuit
- P0653 Sensor signal drive power 2 faulty
- P0660 Variable intake turbo actuator regulation offset is constantly positive
- P0661 Variable intake turbo actuator H bridge drive circuit output 1 short circuit to ground
- P0662 Variable intake turbo actuator H bridge drive circuit output 1 short circuit to battery
- P0663 Variable intake turbo actuator H bridge drive circuit overload short circuit
- P0664 Variable intake turbo actuator H bridge drive circuit output 2 short circuit to ground

P0665	Variable intake turbo actuator H bridge drive circuit output 2 short circuit to battery
P0668	ECU temperature sensor below lower limit
P0669	ECU temperature sensor above upper limit
P0670	Glow plug drive circuit open
P0686	Main relay disconnected too early
P0687	Main relay stuck
P0691	Switch-type fan control circuit short to power
P0692	Switch-type fan control circuit short to ground
P0693	EGR valve short circuit to power
P0694	EGR valve short circuit to ground
P0699	Sensor signal drive power 3 faulty
P0704	Cultch signal faulty
P0737	Open circuit from speed sensor signal to instrument panel output signal
P0738	Circuit from speed sensor signal to instrument panel output signal short to ground
P0739	Circuit from speed sensor signal to instrument panel output signal short to battery
P0A32	Stop counter error
P1000	Variable intake turbo actuator signal drift time too long
P1001	Pressure control valve reached max allowed value
P1002	Pressure control valve reached max allowed opening time
P1003	Average rail pressure out of tolerance range
P1004	If the pressure control valve is opened, check fuel quantity balance.
P1005	Pressure control valve opened
P1006	Pressure control valve opened due to pressure impact (fluctuation)
P1007	Pressure control valve opened due to pressure rise
P1008	Torque fuel quantity conversion MAP faulty
P1011	Rail pressure above max positive offset
P1012	Rail pressure above max positive offset and fuel supply quantity above max specified flow
P1013	Rail pressure below max negative offset and solenoid opening reaches min value
P1020	Fuel filter heater drive circuit open
P1021	Fuel filter heater drive circuit short to power
P1022	Fuel filter heater drive circuit short to ground
P102A	Barometric pressure sensor signal above upper limit
P102B	Barometric pressure sensor signal below lower limit
P102C	Air temperature sensor voltage signal above upper limit
P102D	Air temperature sensor signal below lower limit
P1030	ECU drive ECR valve H bridge circuit overtemperature
P1031	ECU drive ECR valve H bridge overload
P1032	ECU drive ECR valve H bridge circuit overtemperature

P1033	ECU drive ECR valve H bridge drive voltage low
P1034	Valve stuck at off
P1035	Valve stuck at on
P1036	EGR valve continuous drift above threshold
P1037	EGR valve stuck during offset value learning
P1038	EGR valve position sensor physical value above upper limit
P1039	EGR valve position sensor physical value below lower limit
P103A	Intake air temperature physical value after boost intercooler above upper limit
P103B	Intake air temperature physical value after boost intercooler below lower limit
P103C	EGR valve learning offset value implausible
P103D	Difference between actual fresh intake quantity and required quantity in regeneration mode above upper limit (positive offset too large)
P103E	Difference between actual fresh intake quantity and required quantity in regeneration mode below lower limit (negative offset too large)
P1040	Throttle valve H bridge drive overheat
P1041	Throttle valve H bridge drive short circuit overload
P1042	Throttle valve H bridge drive overheat
P1043	Long time offset during throttle valve offset learning
P1044	Throttle valve H bridge drive output 2 circuit short to ground
P1045	Throttle valve H bridge drive voltage low
P1046	Throttle valve H bridge drive output 2 circuit short to power
P1047	Throttle position physical value below lower limit
P1048	Throttle valve communication interface drive circuit short to ground
P1049	Throttle position physical value above upper limit
P104A	Throttle valve communication interface drive circuit short to power
P104D	Throttle valve position feedback sensor value implausible
P104E	Throttle valve position feedback sensor value signal error
P1060	OBD general fault 1
P1061	OBD general fault 10
P1062	OBD general fault 11
P1063	OBD general fault 12
P1064	OBD general fault 13
P1065	OBD general fault 14
P1066	OBD general fault 15
P1067	OBD general fault 16
P1068	OBD general fault 2
P1069	OBD general fault 3
P106A	OBD general fault 4

P106B	OBD general fault 5
P106C	OBD general fault 6
P106D	OBD general fault 7
P106E	OBD general fault 8
P106F	OBD general fault 9
P1070	Particulate oxidation catalytic converter blocked
P10B2	EGR valve offset value learning failed
P1100	Air flow meter operation condition intake correction quantity at idle above drift upper limit
P1102	Intake relative temperature above upper limit
P1103	Intake relative temperature below lower limit
P1106	Intake relative temperature sampling cycle above upper limit
P1107	Intake relative temperature sampling cycle below lower limit
P110A	Vehicle performance limit condition 0 error
P110B	Vehicle performance limit condition 1 error
P110C	Vehicle performance limit condition 2 error
P110D	Vehicle performance limit condition 3 error
P110E	Vehicle performance limit function activated
P1110	Water temperature sensor physical value above upper limit
P1111	Water temperature sensor physical value below lower limit
P1120	Air flow meter operation condition intake correction quantity during load below drift lower limit
P1121	Air flow meter physical value above upper limit
P1122	Air flow meter physical value below lower limit
P1123	Intake air temperature sensor physical value below lower limit
P1130	Fuel temperature signal below physical lower limit
P1131	Fuel temperature implausible
P113A	Oil temperature signal too high
P113B	Oil temperature physical signal too high
P113C	Oil temperature physical signal too low
P1200	Cylinder 1 harness low side short to high side
P1201	Cylinder 2 harness low side short to high side
P1202	Cylinder 3 harness low side short to high side
P1203	Cylinder 4 harness low side short to high side
P1204	Injector high side circuit short to low side – cylinder 1
P1205	Injector high side circuit short to low side – cylinder 1
P1207	Special fault – cylinder 1
P1208	Special fault – cylinder 2
P1209	Special fault – cylinder 3
P120A	Special fault – cylinder 4

P120B	Cylinder 3 special fault
P120C	Cylinder 3 special fault
P1210	Fault triggered when cylinder 1 ET time reaches min limit (ZFC function enabled)
P1211	Fault triggered when cylinder 2 ET time reaches min limit (ZFC function enabled)
P1212	Fault triggered when cylinder 3 ET time reaches min limit (ZFC function enabled)
P1213	Fault triggered when cylinder 4 ET time reaches min limit (ZFC function enabled)
P1214	Min power-on time reached
P1215	Min power-on time reached
P1216	Electronic throttle control internal circuit max offset error
P1217	Electronic throttle control internal circuit min offset error
P1218	Electronic throttle control external circuit max offset error
P1219	Electronic throttle control external circuit min offset error
P121A	Cylinder 1 plug general short circuit
P121B	Cylinder 2 plug general short circuit
P121C	Cylinder 3 plug general short circuit
P121D	Cylinder 4 plug general short circuit
P121E	Cylinder 1 IQA faulty
P121F	Cylinder 1 IQA faulty
P1220	Boost pressure physical signal too high
P1221	Boost pressure physical signal too low
P122A	Booster controller offset above upper limit
P122B	Booster controller offset below lower limit
P1230	OBDII max threshold correction value monitoring error
P1231	OBDII min threshold correction value monitoring error
P1245	Engine torque limited
P1250	Fault triggered when cylinder 1 ET time reaches max limit (ZFL function enabled)
P1251	Fault triggered when cylinder 2 ET time reaches max limit (ZFL function enabled)
P1252	Fault triggered when cylinder 3 ET time reaches max limit (ZFL function enabled)
P1253	Fault triggered when cylinder 4 ET time reaches max limit (ZFL function enabled)
P1254	Fault triggered when cylinder 1 ET time reaches min limit (ZFL function enabled)
P1255	Fault triggered when cylinder 2 ET time reaches min limit (ZFL function enabled)
P1256	Fault triggered when cylinder 3 ET time reaches min limit (ZFL function enabled)
P1257	Fault triggered when cylinder 4 ET time reaches min limit (ZFL function enabled)
P1400	Stageless fan control circuit open
P1401	Stageless fan control overheat
P1402	Stageless fan control circuit short to power
P1403	Stageless fan control circuit short to ground
P140A	EGR cooler downstream temperature signal high

- P140B EGR cooler downstream temperature signal low
- P1410 Offset between required EGR valve position and actual EGR valve position feedback value above upper limit (positive offset)
- P1411 Offset between required EGR valve position and actual EGR valve position feedback value below lower limit (negative offset)
- P1415 Too long time for EGR change from Rgn to Nrm
- P1416 EGR closed loop control time faulty
- P1418 Exhaust brake lamp drive circuit open
- P1419 Exhaust brake lamp drive circuit overheat
- P141A Exhaust brake lamp drive circuit short to power
- P141B Exhaust brake lamp drive circuit short to ground
- P141C Exhaust brake relay drive circuit open
- P141D Exhaust brake relay drive circuit overheat
- P141E Exhaust brake relay drive circuit short to power
- P141F Exhaust brake relay drive circuit short to ground
- P1420 Cylinder 1 exhaust max temperature signal too strong
- P1421 Cylinder 2 exhaust max temperature signal too strong
- P1422 Cylinder 3 exhaust max temperature signal too strong
- P1423 Cylinder 4 exhaust max temperature signal too strong
- P1424 Cylinder 5 exhaust max temperature signal too strong
- P1425 Cylinder 6 exhaust max temperature signal too strong
- P1426 Cylinder 1 exhaust min temperature signal too strong
- P1427 Cylinder 2 exhaust min temperature signal too strong
- P1428 Cylinder 3 exhaust min temperature signal too strong
- P1429 Cylinder 4 exhaust min temperature signal too strong
- P142A Cylinder 5 exhaust min temperature signal too strong
- P142B Cylinder 6 exhaust min temperature signal too strong
- P1430 Exhaust temperature T0 implausible at cold start status
- P1431 Exhaust temperature T1 implausible at cold start status
- P1432 Exhaust temperature T2 implausible at cold start status
- P1433 Exhaust temperature T3 implausible at cold start status
- P1434 Exhaust temperature T4 implausible at cold start status
- P1435 Exhaust temperature T5 implausible at cold start status
- P1436 Exhaust temperature signal implausible
- P1437 Cylinder 1 exhaust temperature monitoring implausible
- P1438 Cylinder 2 exhaust temperature monitoring implausible
- P1439 Cylinder 3 exhaust temperature monitoring implausible
- P143A Cylinder 4 exhaust temperature monitoring implausible

P143B	Cylinder 5 exhaust temperature monitoring implausible
P143C	Cylinder 6 exhaust temperature monitoring implausible
P1440	O2 sensor regulator negative offset error
P1441	O2 sensor regulator positive offset error
P1442	O2 sensor regulator conversion faulty
P1450	Particulate filter upstream temperature implausible
P1451	Particulate filter upstream temperature signal high
P1452	Particulate filter upstream temperature signal low
P1453	Particulate filter upstream temperature sensor signal high
P1454	Particulate filter upstream temperature sensor signal low
P1455	Particulate filter differential pressure sensor hose connection faulty
P1456	Particulate filter differential pressure sensor implausible
P1457	Particulate filter feature differential pressure max value
P1458	Particulate filter feature differential pressure min value
P1459	Particulate filter offset min value
P145A	Particulate filter flow resistance signal high
P145B	Particulate filter soot mass offset max value
P145C	Particulate filter soot mass offset min value
P145D	Particulate filter soot mass max value
P145E	Particulate filter flow resistance signal high
P145F	Particulate filter flow resistance signal low
P1460	Particulate filter max differential pressure signal enhanced
P1461	Particulate filter min differential pressure signal enhanced
P1462	Particulate filter dynamic differential pressure implausible
P1463	Particulate filter hose differential pressure adaptation implausible
P1464	Particulate filter differential pressure error
P146A	Particulate oxidation catalytic converter differential pressure sensor physical value above upper limit
P146B	Particulate oxidation catalytic converter differential pressure sensor physical value below lower limit
P146C	Particulate oxidation catalytic converter CAN signal implausible
P146D	CAN information fault diagnosis detection
P1470	O2 sensor Nernst signal faulty
P1471	O2 sensor virtually grounded
P1472	O2 sensor dynamic signal low
P1473	O2 sensor heater coupling signal faulty
P1474	O2 sensor heater signal implausible
P1475	O2 sensor battery voltage low
P1476	O2 sensor calibration signal high
P1477	O2 sensor calibration signal low

P1478	O2 sensor O2 concentration above upper limit
P1479	O2 sensor O2 concentration below lower limit
P147A	O2 concentration high, implausible
P147B	O2 concentration high, implausible
P147C	O2 concentration high, implausible
P147D	O2 concentration high, implausible
P147E	O2 concentration high, implausible
P147F	O2 concentration high, implausible
P1480	O2 sensor internal resistance calibration value too high
P1481	O2 sensor internal resistance calibration value too low
P1482	O2 sensor SPI battery voltage too low
P1483	O2 sensor SPI signal implausible
P1484	O2 sensor temperature above upper limit
P1485	O2 sensor temperature below lower limit
P1486	O2 sensor voltage exceed threshold when shunting
P148A	Turbocharger upstream temperature sensor signal high
P148B	Turbocharger upstream temperature sensor signal low
P1500	Vehicle speed sensor signal physical value above upper limit
P1501	Vehicle speed sensor signal physical value below lower limit
P1502	Vehicle speed signal (Tachometer) sensor too large
P1503	Vehicle speed signal (Tachometer) sensor too small
P1504	Vehicle speed phase (Tachometer) error
P150A	Drive circuit diagnosis invalid when battery voltage is too high
P150B	Drive circuit diagnosis invalid when battery voltage is too low
P1510	A/C pressure duty cycle signal below lower limit
P1511	A/C pressure periodic signal below lower limit
P1512	A/C pressure duty cycle signal above upper limit
P1513	A/C pressure periodic signal above upper limit
P1514	A/C compressor drive circuit limit torque temperature too high
P1515	A/C switch signal from CAN implausible
P1516	A/C compressor drive circuit limit torque short circuit to ground
P1517	A/C compressor drive circuit limit torque short circuit to power
P1520	Booster H bridge overload short circuit
P1521	Booster H bridge voltage too low
P1522	Booster H bridge drive overload
P1523	Booster H bridge drive overheat
P1524	Booster H bridge temperature current too large
P1525	Booster valve stuck during learning process

- P1526 Booster H bridge drive output 1 short circuit to ground
- P1527 Booster H bridge drive circuit output 2 short circuit to ground
- P1528 Booster H bridge drive output 1 short circuit to power
- P1529 Booster H bridge drive output 2 short circuit to power
- P1601 Output to instrument panel cooling temperature indicator lamp, no load
- P1602 Overheat circuit to instrument panel cooling temperature indicator lamp
- P1603 Circuit to instrument panel cooling temperature indicator lamp short to power
- P1604 Circuit to instrument panel cooling temperature indicator lamp short to ground
- P1608 Preheating indicator lamp circuit short to power
- P1609 Preheating indicator lamp circuit short to ground
- P160A Preheating indicator lamp circuit open
- P160B Preheating indicator lamp drive circuit overheat
- P160C Glow plug drive circuit overheat
- P1610 Injection cutoff request
- P1613 At OVERRUN, injection power-on time out of the power-on time range allowed by second monitoring layer
- P1614 Too many SPI errors during MoCSOP execution
- P1615 OS close timeout, alarm setting invalid
- P1617 Fault diagnosis check report, low voltage monitoring faulty
- P1618 Fault diagnosis check report, WDA operating abnormally
- P1619 System lamp circuit short to power
- P161A System lamp circuit short to ground
- P161B System lamp drive no load
- P161C System lamp drive overheat
- P161D Software reset in fault management system
- P161E Software reset in fault management system
- P161F Software reset in fault management system
- P1620 TTLAMP drive circuit open
- P1621 Fuel consumption ratio displays drive circuit short to power supply
- P1622 Fuel consumption ratio displays drive circuit short to ground
- P1623 Fuel consumption ratio displays drive circuit open
- P1624 Fuel consumption ratio displays drive circuit overheat
- P1625 TTLAMP drive circuit short to power supply
- P1626 TTLAMP drive circuit short to ground
- P1627 TTLAMP drive circuit overheat
- P1633 ECU temperature sensor signal high
- P1634 ECU temperature sensor signal high
- P1635 ECU temperature sensor signal low

- P1636 ECU temperature sensor signal low
- P1637 VDD5 voltage too high
- P1638 VDD5 voltage too low
- P1639 ECU temperature sensor physical value above upper limit
- P163A ECU temperature sensor physical value below lower limit
- P163B ECU temperature sensor SPI faulty (LM71)
- P1640 A/C compressor control module overload overtemperature
- P1643 Safety code check failed
- P1645 Number of injections limited by ECU charging module capability
- P1646 Number of injections limited by fuel quantity balance of high pressure fuel pump
- P1647 Number of injections limited by operating time
- P164C MIL circuit device temperature too high
- P164D MIL circuit short to battery
- P164E MIL circuit short to ground
- P1650 EEPROM erasing faulty, cannot be erased
- P1651 EEPROM reading faulty, cannot be read
- P1652 EEPROM writing faulty, cannot be written
- P165A Invalid data set identifier
- P165B Data set switching fault
- P165C EEPROM reading information error
- P1660 ADC monitor NTP error
- P1662 ADC test error
- P1663 Fault diagnosis check report, voltage ratio monitored by ADC is faulty
- P1664 Fault diagnosis check report, answer/reply communication faulty
- P1665 Fault diagnosis check report, SPI communication faulty
- P1666 Fault diagnosis check report, multiple errors detected during entire ROM memory check
- P1667 CPU cannot synchronously send byte to the MM
- P1668 Response time setting faulty
- P166A Fault diagnosis report timeout when test closed
- P166B Application layer power-on time out of the power-on time range allowed by second monitoring layer
- P166C Application layer injection timing out of the injection timing range allowed by second monitoring layer
- P166D Fault diagnosis report ZFC correction fuel quantity implausible
- P166E Fault diagnosis report, post injection 2 required injection quantity faulty in normal mode
- P166F Fault diagnosis report, post injection 2 requires one ICO in case of an error
- P1670 Application layer injection quantity correction out of the range allowed by second monitoring layer
- P1671 Second monitoring layer rail pressure faulty
- P1672 Before MoCSOP error response, DFC limits torque once a fault is detected.
- P1673 Fault diagnosis report, positive response test failure

- P1674 Fault diagnosis report, post injection 3 efficiency coefficient requires one ICO in case of an error
- P1675 Variable intake turbo actuator regulation offset is constantly negative
- P1676 Variable intake turbo actuator H bridge drive circuit open
- P1677 Variable intake turbo actuator H bridge drive circuit current too large
- P1678 Variable intake turbo actuator H bridge drive circuit overtemperature
- P167B CY33X fault detected
- P167C Application layer torque limited by second monitoring layer torque
- P1680 Cruise control indicator lamp drive circuit open
- P1681 Cruise control indicator lamp drive circuit overtemperature
- P1682 Cruise control indicator lamp drive circuit short to power or high level
- P1683 Cruise control indicator lamp drive circuit short to ground
- P1684 Grid heater is always on; DFC_AirHtStickOn
- P1685 DFC mechanical fault when ignition is ON; DFC_AirHtTempDiff
- P1686 Fuel filter heating power stage temperature faulty; DFC_FlFltHtOT
- P1687 CJ945 power stage no load; DFC_IAirHtOL_0
- P1688 CJ945 power stage no load; DFC_IAirHtOL_1
- P1689 Intake heating drive circuit overheat 0
- P168A CJ945 overheat; DFC_IAirHtOvrTemp_1
- P168B CJ945 power stage short to battery; DFC_IAirHtSCB_0
- P168C CJ945 power stage short to battery; DFC_IAirHtSCB_1
- P168D CJ945 power stage short to ground; DFC_IAirHtSCG_0
- P168E CJ945 power stage short to ground; DFC_IAirHtSCG_1
- P169F Heating switch of intake grid often engaged
- P16A0 Intake grid heating malfunction
- P16A1 Fuel filter heating drive circuit overheat
- P16A2 Intake heating drive circuit open 0
- P16A3 Intake heating drive circuit open 1
- P16A4 Intake heating drive circuit overheat 1
- P16A5 Intake heating drive circuit short to power 0
- P16A6 Intake heating drive circuit short to power 1
- P16A7 Intake heating drive circuit short to ground 0
- P16A8 Intake heating drive circuit short to ground 1
- P1700 Clutch signal implausible or signal line open
- P1710 Engine speed output sensor overheat
- P1720 Transmission N gear position signal
- P2002 Particulate oxidation catalytic converter removed
- P2004 Variable intake turbo actuator H bridge drive circuit temperature independent of current
- P2008 Variable intake turbo actuator drive circuit open

P2009	Variable intake turbo actuator drive circuit short to ground
P2010	Variable intake turbo actuator drive circuit short to battery
P2014	Variable intake turbo actuator H bridge drive circuit too low
P2015	Variable intake turbo actuator valve stuck
P2072	Throttle controller generates permanent offset
P2076	Variable intake turbo actuator valve stuck during learning
P2077	Variable intake turbo actuator position sensor signal below lower limit
P2078	Variable intake turbo actuator position sensor signal above upper limit
P207A	Variable intake turbo actuator drive circuit overtemperature
P207B	Variable intake turbo actuator signal drift time too long
P2100	Throttle valve H bridge drive open circuit
P2101	Throttle valve H bridge drive overload
P2102	Throttle valve H bridge drive output 1 circuit short to ground
P2103	Throttle valve H bridge drive output 1 circuit short to power
P2135	Accelerator pedal signals 1 & 2 unreasonable
P213A	ECU drive ECR valve H bridge circuit signal open circuit
P213B	ECU drive ECR valve H bridge circuit signal overload
P213C	ECU drive ECR valve H bridge short circuit to ground 2
P213D	ECU drive ECR valve H bridge short circuit to power 2
P2141	ECU drive ECR valve H bridge short circuit to ground 1
P2142	ECU drive ECR valve H bridge short circuit to power 1
P2146	Injector control module (harness) circuit short
P2149	Short circuit
P2157	Vehicle speed sensor signal via CAN is faulty
P2173	Throttle controller offset above upper limit
P2175	Throttle controller offset below lower limit
P2226	Barometric pressure sensor signal via CAN is faulty
P2228	Barometric pressure sensor voltage signal below lower limit
P2229	Barometric pressure sensor voltage signal above upper limit
P2264	Fuel/water separator indicator lamp drive circuit open
P2265	Fuel/water separator detected level too high
P2266	Fuel/water separator indicator lamp drive circuit short to ground
P2267	Fuel/water separator indicator lamp drive circuit short to power supply
P2268	Fuel/water separator indicator lamp drive circuit overheat
P2269	Fuel/water separator sensor detection faulty (sensor damaged)
P2290	Injector minimum open pressure detection faulty
P242F	Particulate filter soot load above upper limit
P2454	Particulate oxidation catalytic converter differential pressure sensor voltage below lower limit

- P2455 Particulate oxidation catalytic converter differential pressure sensor voltage above upper limit
- P2458 Particulate filter regeneration permanent fault
- P245A EGR cooler bypass valve faulty
- P245B EGR cooling efficiency too low
- P245D EGR cooler sensor signal high
- P250F Fuel quantity in the fuel tank below lower limit or low pressure pipe contains air
- P2519 A/C switch signal from CAN is incorrect
- P251A Torque output switch implausible
- P251B Torque output switch below lower limit
- P251C Torque output switch above upper limit
- P2522 A/C compressor drive circuit limit torque open circuit
- P2562 Booster H bridge drive open circuit
- P2563 Booster valve stuck
- P2564 Booster feedback sensor signal below lower limit
- P2565 Booster feedback sensor signal above upper limit
- P2621 Throttle valve position feedback sensor value below lower limit
- P2622 Throttle valve position feedback sensor value above upper limit
- P2626 O2 sensor pump current terminal IP open circuit
- B0020 Airbag crash status
- U0117 Torque control switch CAN communication information check faulty
- U0121 ABS ECU main information missing
- U0400 CAN received frame BCM1 message length error
- U0415 CAN received frame ABS1 message length error

1.1.4 4DE1-1D EURO V DIESEL ENGINE

- U1125 Error for ABM Checksum
- U1126 Error for ABM Counter
- P0100 Battery voltage error of HFM sensor
- P0100 Correction factor of the drift compensation function exceed the maximum drift limit
- P0100 Correction factor of the drift compensation function exceed the maximum drift limit
- P0100 SCG of hardware signal of HFM sensor
- P0100 Sensitivity drift high error for HFM sensor
- P0100 Sensitivity drift error low for HFM sensor
- P0103 Hardware error detection for HFM sensor
- P0103 SR high error for raw value in HFM sensor
- P0102 SR low error for raw value in HFM sensor
- P0530 SR high for AC coolant pressure voltage signal

P0530 SRClow for AC coolantpressure voltage signal
P0530 SRChigh for AC coolantpressure duty cycle signal
P0530 SRClow for AC coolantpressure duty cycle signal
P0530 SRChigh for AC coolantpressure period signal
P0530 SRClow for AC coolantpressure period signal
P0645 No loaderror onpower stage for the compressor
P0645 Over temperatureerroron powerstagefor the compressor
P0645 No loaderror onpower stage for the reduce torqueinstruction compressor
P0645 Over temperatureerroron powerstagefor the reducetorque instruction compressor
P0647 Shortcircuit tobattery erroron power stage for the reducetorque instruction compressor
P0646 Shortcircuit toground erroron power stage for the reducetorque instruction compressor
P0647 Shortcircuit tobattery erroron power stage for the compressor
P0646 Shortcircuit toground erroron power stage for the compressor
U0424 Air Compressorswitch Plausibilityerrorfor CANinput
U0466 Air Compressorswitch Signalerrorfor CANinput
P103D Positive airtlgovernor deviationabove limit for regeneration
P103E negative airtlgovernor deviationbelow limit for regeneration
P0402 Air control systemgovernordeviation above limit
P0401 Air control systemgovernordeviation below limit
P1415 Error path for too longtime spent in transtion modeRgn toNrm for Aircontrol
P1416 Timeof AirSystem to closedlooptoo long error
P0403 Error caseof areduced EGR massflow due tosooting
P2299 PlausibilityCheck between APP and Brake
P0563 SRChigh for batteryvoltage sensor
P0562 SRClow for batteryvoltage sensor
P0571 Diagnostic Fault Check Main Brake Stuck
P0504 Plausibilitycheck for Brake
P0703 Diagnostic Fault Check RedundantBrake Stuck
U0076 Diagnostic fault checkof detection of Error?Passiveon CANC
U0080 Diagnostic fault checkof detection ofBus off onCAN C
P026A Error casefor defectivecharge-air cooler
P0116 defect fault checkfor coolant temperature Absolute plausibilitytest
P0116 defect fault checkfor Coolanttemperature dynamic plausibilitytest
P0115 Physical RangeCheck high for coolant temperaturesignal
P0115 Physical RangeCheck low for coolant temperaturesignal
P0118 SRChigh for Engine coolant temperature(down stream)
P0117 SRClow for Engine coolant temperature(down stream)
P0704 Plausibilitycheck for Clutch

U1400	CANSignal Error for Clutch
P1006	Working limitation information
P144A	Monitoring ofthe PoI2 duringthe RHU phase
P144B	Monitoring ofthe system relevant behaviour tominimise theemissions during the RHUphase
U1123	Diagnostic fault checkfor DataLength Check Error ofCAN?Receive?FrameABM
U1122	Diagnostic fault checkfor timeoutError of CAN?Receive?Frame ABM
U0113	DLCErrror of CAN-Receive-Frame AT1IG1
U0113	Timeout Error ofCAN-Receive-Frame AT1IG1
U0113	DLCErrror of CAN-Receive-Frame AT1OG1
U0113	Timeout Error ofCAN-Receive-Frame AT1OG1
U0100	Timeout Error ofCAN-Transmit-Frame EEC3
U1402	Timeout Error ofCAN?Frame EMS1
U1403	Timeout Error ofCAN?Frame EMS2
U1404	Timeout Error ofCAN?Transmit?Frame EMS4
U1405	DLCErrror of CAN?Receive?Frame ICM2
U1406	Timeout Error ofCAN?Receive?Frame ICM2
U0113	SAE J1939 errorfor NoxConcentration quantity message
U0113	SAE J1939 errorfor NoxConcentration Upstreammessage
U0113	SAE J1939 errorfor theActual Oxidation factorDownstream message
U0113	SAE J1939 errorfor ActualOxidation factormessage
U0113	DFC SAEJ1939 errorfor SensorStatus Byte message(NOx signal)
U0113	SAE J1939 for SensorStatus Byte Downstream sensor(NOx signal)
U0113	DFC SAEJ1939 errorSensor Status Byte message(O2 signal)
U0113	SAE J1939 errorfor SensorStatus Byte Downstream (O2 signal)
U0113	SAE J1939 errorfor SensorStatus Byte message(powersignal)
U0113	SAE J1939 errorfor SensorStatus Byte Downstream message(powersignal)
U0113	SAE J1939 Sensorfor Status Byte Downstream message(temperature signal)
U0113	DFC SAEJ1939 errorfor SensorStatus Byte message(temperaturesignal)
U1103	Timeout Error ofCAN-Receive-Frame TI1
P110A	performance limiter for level0.
P110B	performance limiter for level1.
P110C	performance limiter for level2.
P110D	performance limiter for level3.
P110E	performance limiter isactive
B0030	errorfor Crash Inforamation
P0648	No loaderror for cruisecontrol indicate lamp powerstage
P0648	Over temperatureerrorfor Cruisecontrol indicate lamppowerstage
P0648	Shortcircuit tobattery errorfor cruise control indicate lamppowerstage

P0648	Shortcircuit to ground error for cruise control indicate lamp power stage
P04DB	Hose drop between the crankcase and intake manifold
P0575	Fault path which indicates the invalid combination of cruise control keys pressed
P07CB	DFC-ID of CtT to be used with DSM
P0607	SPI/COM-Errors of the Cy327
P0563	Power stage diagnosis could be disabled due to high Battery voltage
P0562	Power stage diagnosis could be disabled due to low Battery voltage
P2536	fault path for signal check of Engine Compartment stop Button
P2536	fault path for signal check of Engine Compartment start Button
P00E3	open load error for ECB Vlv
P00E3	Over temperature error on power stage for EGR cooler bypass valve
P00E3	Shortcircuit to battery error of ECB Valve
P00E3	Shortcircuit to ground error of ECB Valve
P062F	EEP Read Error based on the error for more blocks
P062F	EEP Read Error based on the error for more blocks
P062F	EEP Write Error based on the error for one block
P2457	Fault code to indicate EGR cooling efficiency too low
P245A	Fault code to indicate a defect of egr cooler bypass valve
P0403	Current limited of EGR valve
P0404	DFC for valve drift at closed position of EGR valve
P0404	DFC for valve drift at open position of EGR valve
P0404	DFC for Range drift of EGR valve
P0404	persistent governor deviation due to frozen actuator (EGR valve) at cold start
P0404	EGR Valve Permanent positive governor deviation
P0402	EGR Valve Permanent negative governor deviation
P213A	Open load error for EGR Vlv H-Bridge power stage
P213A	Over current error for EGR Vlv H-Bridge
P213A	Over temperature error for EGR Vlv H-Bridge power stage
P0487	Shortcircuit to battery on EGR H-bridge Out1 error
P213A	Shortcircuit to battery on EGR H-bridge Out2 error
P0487	Shortcircuit to ground on EGR H-bridge Out1 error
P213A	Shortcircuit to ground on EGR H-bridge Out2 error
P213A	Shortcircuit over load error for H-Bridge EGR Vlv power stage
P213A	Temperature dependent over current error for EGR Vlv H-Bridge power stage
P213A	Under voltage error for EGR Vlv H-Bridge power stage
P0401	Jammed EGR valve in closed state
P0402	Jammed EGR valve in open state
P0404	DFC for longtime valve drift at closed position of EGR valve

P0404	DFC for longtime valve drift at open position ofEGR valve
P0409	DFC for valve positionsensor physical SRChigh ofEGR valve
P0409	DFC for valve positionsensor physical SRClow ofEGR valve
P0404	DFC for short time valve drift atclosed position ofEGR valve
P0404	DFC for short time valve drift atopen position ofEGR valve
P0409	DFC for spring break detectionfor EGR valve
P0406	SRChigh for EVRVlvposition sensor value
P0405	SRClow for EGRVlvposition sensor value
P0409	looseconnection orsporadic temporary errors of EGRvalve
P1008	Injection cutoff demand (ICO)for shut off coordinator
P0219	Overspeed detectionin component engine protection
P1009	Indicates if aTMFW resonance shutoff condition is active
P0725	No loaderror onthe engine speed output
P0725	Over Temperature erroronthe engine speed output
P0725	Shortcircuit tobattery erroron theengine speed output
P0725	Shortcircuit toground erroron the engine speed output
P2031	Diagnostic Fault Check for enhanced SRC-Max ofFirst exhaust gas temperature
P2031	Diagnostic Fault Check for enhanced SRC- Max ofsecond exhaust gastemperature
P2031	Diagnostic Fault Check for enhanced SRC- Max ofthird exhaust gas temperature
P2031	Diagnostic Fault Check for enhanced SRC- Max offourth exhaust gastemperature
P2031	Diagnostic Fault Check for enhanced SRC-Max offifth exhaust gastemperature
P2031	Diagnostic Fault Check for enhanced SRC- Max ofsixth exhaust gas temperature
P2031	Diagnostic Fault Check for enhanced SRC- Min ofFirst exhaust gas temperature
P2031	Diagnostic Fault Check for enhanced SRC- Min ofsecond exhaust gastemperature
P2031	Diagnostic Fault Check for enhanced SRC- Min ofthird exhaust gas temperature
P2031	Diagnostic Fault Check for enhanced SRC-Min offourth exhaust gastemperature
P2031	Diagnostic Fault Check for enhanced SRC- Min offifth exhaust gastemperature
P2031	Diagnostic Fault Check for enhanced SRC- Min ofsixth exhaust gas temperature
P0073	SRCHigh for Environment Temperature
P0072	SRCLow for Environment Temperature
P0341	DFC for camshaftsignal diagnose -disturbed signal
P0340	DFC for camshaftsignal diagnose - no signal
P0340	DFC for camshaftoffset angle exceeded
P0336	DFC for crankshaftsignal diagnose -disturbed signal
P0335	DFC for crankshaftsignal diagnose -no signal
P020A	DFC reportingerrorstate on comparing energisingtime to Maxvalue logical injector 1
P020C	DFC reportingerrorstate on comparing energisingtime to Maxvalue logical injector 2
P020D	DFC reportingerrorstate on comparing energisingtime to Maxvalue logical injector 3

P020B	DFC reportingerrorstate on comparing energisingtime to Maxvalue logical injector 4
P020A	DFC reportingerrorstate on comparing energisingtime to Minvalue logical injector 1
P020C	DFC reportingerrorstate on comparing energisingtime to Minvalue logical injector 2
P020D	DFC reportingerrorstate on comparing energisingtime to Minvalue logical injector 3
P020B	DFC reportingerrorstate on comparing energisingtime to Minvalue logical injector 4
P20CB	Maximumdeviation of Exhaust temperature inner loop controller
P20CB	Minimum deviation of Exhaust temperature inner loop controller
P24C2	Monitoring of the response time of the inner control loop of the exhaust gas
P24C2	Maximumdeviation of Exhaust temperature outer loop controller
P24C2	Minimum deviation of Exhaust temperature outer loop controller
P24C2	Monitoring of the response time of the outer control loop of the exhaust gas temperature controller
P1502	No load error for Exhaust Flap Lamp Actuator power stage
P1503	Over Temperature error for Exhaust Flap Lamp Actuator power stage
P1504	Short circuit to battery error for Exhaust Flap Lamp Actuator power stage
P1505	Short circuit to ground error for Exhaust Flap Lamp Actuator power stage
P04D4	No load error for Exhaust Flap Relay Actuator power stage
P04D4	Over Temperature error for Exhaust Flap Relay Actuator power stage
P04D4	Short circuit to battery error for Exhaust Flap Relay Actuator power stage
P04D4	Short circuit to ground error for Exhaust Flap Relay Actuator power stage
P0544	Plausibility check for cold start condition of exhaust-gas temperature 1
P2031	Plausibility check for cold start condition of exhaust-gas temperature 2
P242A	Plausibility check for cold start condition of exhaust-gas temperature 3
P246E	Plausibility check for cold start condition of exhaust-gas temperature 4
P2480	Plausibility check for cold start condition of exhaust-gas temperature 5
P1410	Plausibility check for cold start condition of exhaust-gas temperature 6
P1411	Diagnostic Fault check during cold start condition of exhaust-gas temperatures
P0544	Diagnostic Fault check for Model based plausibility check of first exhaust-gas temperature
P2031	Diagnostic Fault check for Model based plausibility check of second exhaust-gas temperature
P242A	Diagnostic Fault check for Model based plausibility check of third exhaust-gas temperature
P246E	Diagnostic Fault check for Model based plausibility check of fourth exhaust-gas temperature
P2480	Diagnostic Fault check for Model based plausibility check of fifth exhaust-gas temperature
P1412	Diagnostic Fault check for Model based plausibility check of sixth exhaust-gas temperature
P0480	No load error for DIO Fan 1 power stage
P0480	No load error for DIO Fan 2 power stage
P0480	Over temperature error for DIO Fan 1 power stage
P0480	Over temperature error for DIO Fan 2 power stage
P0692	Short circuit to battery error for DIO Fan
P0692	Short circuit to battery error for DIO Fan

P0691 Shortcircuit toground errorof DIOfan1 powerstage
P0691 Shortcircuit toground errorof DIOfan1 powerstage
P0611 FBC(Fuel quantity BalancingControl) correction quantities atlimitation for injector 1
P0611 FBC(Fuel quantity BalancingControl) correction quantities atlimitation for injector 2
P0611 FBC(Fuel quantity BalancingControl) correction quantities atlimitation for injector 3
P0611 FBC(Fuel quantity BalancingControl) correction quantities atlimitation for injector 4
P0001 No loaderror for Fuel consumptiondisplay signal component
P0001 Over Temperature errorfor Fuel consumption display signal component
P0001 Shortcircuit tobattery errorfor Fuel consumption display signal component
P0001 Shortcircuit toground errorfor Fuel consumption display signal component
P2687 No loaderror in powerstageof fuelfilter heating
P2687 Over Temperature errorin powerstageof fuel filterheating
P2687 Shortcircuit tobattery errorin powerstage of fuelfilter heating
P2687 Shortcircuit toground errorin powerstage of fuelfilter heating
P0656 Error over CANfor Fuel Level ratio sensor
P0463 SRChigh for fuellevel sensor
P0462 SRClow for fuellevel sensor
P0460 fuel tankbelow critical level or danger ofan air contaminated hydraulicsystem
P226A No loaderror for waterin fuelindicatelamp powerstage
P226A Over temperatureerrorfor water in fuel indicate lamppowerstage
P226A Shortcircuit tobattery errorfor water in fuel indicatelamp powerstage
P226A Shortcircuit toground errorof waterin fuel indicate lamppowerstage
P2264 Max thresholderrorfor the sensor self test
P2269 errorto report detectionofwater in fuel
P0180 Physical RangeCheck high for fuel temperaturesensor signal
P0180 Physical RangeCheck low for fuel temperaturesensor signal
P0183 SRChigh for fueltemperature sensor
P0182 SRClow for fueltemperature sensor
P0181 DFC for fueltemperature plausibilitycheck function
U1402 Check for errorfor CANinput of gearbox
P0381 No loaderror for glowlamp powerstage
P0381 Over temperatureerrorfor glow lamp powerstage
P0381 Shortcircuit tobattery errorfor glow lamp powerstage
P0381 Shortcircuit toground errorof glowlamp powerstage
P064C DFC for coding errorwhenselected coding is not matchingfor glow plug
P064C DFC for faultydiagnostic data transmission or protocolerrorfor glow plug
P064C DFC for coding errorwhendifferent coding words werereceived in a codingcycle for glow plug
P064C DFC for errorin the frame receptionfrom GCU

P064C	DFC for chargepumpunder voltage
P0671	DFC for short circuitto batteryerror
P0673	DFC for short circuitto batteryerror
P0674	DFC for short circuitto batteryerror
P0672	DFC for short circuitto batteryerror
P0671	DFC for open load error
P0673	DFC for open load error
P0674	DFC for open load error
P0672	DFC for open load error
P064C	Over temperatureerrorfor glow plug lamp powerstage
P0671	DFC for Over loaderror
P0673	DFC for Over loaderror
P0674	DFC for Over loaderror
P0672	DFC for Over loaderror
P064C	DFC for errordue toGCU over voltage error
P064C	DFC for errordue toPRFlag not setin CD535_RST_CMD state or notreset in GE_CLR_CMDstate.
P0671	DFC for short circuitto ground error
P0673	DFC for short circuitto ground error
P0674	DFC for short circuitto ground error
P0672	DFC for short circuitto ground error
P064C	DFC for T30missingin GCU-T: Ifno voltage is presentat the T30input when GCU is activated
P064C	DFC for GCU4variant error
P064C	relay failure (RF),glow plugfailure (GF),short circuit/overcurrent (SC) errors of GCU-R
P064C	sticking relay (RS), short circuit/over current (SC) errors ofGCU-R
P0381	No loaderror for Glowplug Low Voltage System
P037D	Over temperatureerroron ECU powerstage for Glowplug Low Voltage System
P037D	Shortcircuit tobattery errorfor Glowplug Low Voltage System
P037D	Shortcircuit toground errorfor Glow plug Low Voltage System
P037D	No loaderror for glowplug powerstage
P037D	Over temperatureerrorfor glow plug lamp powerstage
P0671	DFC for failure GlowPlug 1poweredby GCU-T
P0673	DFC for failure GlowPlug 2poweredby GCU-T
P0674	DFC for failure GlowPlug 3poweredby GCU-T
P0672	DFC for failure GlowPlug 4poweredby GCU-T
P0671	DFC for short circuitGlow Plug1 powered byGCU-T
P0673	DFC for short circuitGlow Plug2 powered byGCU-T
P0674	DFC for short circuitGlow Plug3 powered byGCU-T
P0672	DFC for short circuitGlow Plug4 powered byGCU-T

P037D Shortcircuit to battery error of glow plug power stage

P037D Shortcircuit to ground error of glow plug power stage

P064C DFC for T30 missing in GCU-T: If no voltage is present at the T30 input when GCU is activated

P064C DFC for glow module error in GCU-T

P2205 Heater diagnosis based on the time value after diagnosis release for sensor 1.

P22A3 Heater diagnosis based on the time value after diagnosis release for sensor 2.

P2205 Heater diagnosis based on the time value after diagnosis release for sensor 1.

P22A3 Heater diagnosis based on the time value after diagnosis release for sensor 2.

P2200 DFC to monitor NOx signal validity of sensor 1

P229E DFC to monitor NOx signal validity of sensor 2

P2200 dynamic response of the sensor signal to high if error is reported.

P2200 dynamic response of the sensor signal to slow if error is reported.

P2200 NOx offset max error detection, Sensor 1

P229E NOx offset max error detection, Sensor 2

P2200 NOx offset min error detection, Sensor 1

P229E NOx offset min error detection, Sensor 2

P225D DFC for NOx undershoot error detection (Pre-Cat sensor)

P225F DFC for NOx undershoot error detection (Post-Cat sensor)

P2200 no remark

P229E no remark

P2200 no remark

P229E no remark

P014D O2 plausibility of the NOx sensor: error in Full Load

P013B O2 plausibility of the NOx sensor: error in Full Load

P014D O2 plausibility of the NOx sensor: error in Over Run

P013B O2 plausibility of the NOx sensor: error in Over Run

P014D O2 Plaus check in Part Load for sensor 1.

P013B O2 Plaus check in Part Load for sensor 2.

P2200 no remark

P229E no remark

P06EA Self Diagnosis error detection based on the abort criteria in NOx sensor 1 Bank 1

P06EB Self Diagnosis error detection based on the abort criteria in NOx sensor 2 Bank 1

P06EA Self Diagnosis error detection based on the Correction Avg value in NOx sensor 1 bank 1

P06EB Self Diagnosis error detection based on the Correction Avg value in NOx sensor 2 bank 1

P06EA Self Diagnosis error detection based on the timeout criteria in NOx sensor 1 Bank 1

P06EB Self Diagnosis error detection based on the timeout criteria in NOx sensor 2 Bank 1

P2200 no remark

P229E no remark

P2208 DFC ofsignal readinessofsensor 1
P22A6 DFC ofsignal readinessofsensor 2
P2201 no remark
P2215 no remark
P2201 no remark
P2216 no remark
P2201 no remark
P2215 no remark
P2201 no remark
P2216 no remark
P2201 no remark
P2201 no remark
P0507 Engine speed exceeds theupper limit while High-LowSpeedDemand is active
P0506 Engine speed falls below thelower limit while High-LowSpeedDemand is active
P1085 Positive RailPressure is exceeded
P1086 Numberof injections is limitedbysystem
P100F Numberof injections is limitedbyquantity balance ofhigh pressure pump
P1010 Numberof injections is limitedbysystem
P1011 Numberof injections is limitedbyruntime
P026D Exceeding ofthe maximum control injectionquantity
P026C Undershooting ofthe minimum control injection quantity
P1066 problems withrail pressurebuild up
P0A0F checkof engine startingproblems
P0201 open load oflogical injector 1
P0203 open load oflogical injector 2
P0204 open load oflogical injector 3
P0202 open load oflogical injector 4
P062D short circuitof injectionbank0
P062E short circuitof injectionbank1
P0262 general short circuitlogical injector 1
P0268 general short circuitlogical injector 2
P0271 general short circuitlogical injector 3
P0265 general short circuitlogical injector 4
P0261 short circuitLow Sideto HighSide logical injector 1
P0267 short circuitLow Sideto HighSide logical injector 2
P0270 short circuitLow Sideto HighSide logical injector 3
P0264 short circuitLow Sideto HighSide logical injector 4
U0073 Diagnostic fault checkof detection ofBus off onCAN A

P16AC	Diagnostic fault checkof detection of Bus off on ABM
P16E6	Diagnostic fault checkof detection of Bus off on ICM
P0201	measured injection closing time exceeds a limit
P0203	measured injection closing time exceeds a limit
P0204	measured injection closing time exceeds a limit
P0202	measured injection closing time exceeds a limit
P062B	check of missing injector adjustment value programming of logical injector 1
P062B	check of missing injector adjustment value programming of logical injector 2
P062B	check of missing injector adjustment value programming of logical injector 3
P062B	check of missing injector adjustment value programming of logical injector 4
P062F	Error during read/write operation
P251C	PTO switch Max error
P0251	Intermittent contact between ECU and MeUn
P0251	open load of metering unit output
P0252	over temperature of device driver of metering unit
P0251	short circuit to battery of metering unit output
P0251	short circuit to ground of metering unit output
P0254	signal range check high error of metering unit AD-channel
P0253	signal range check low error of metering unit AD-channel
P0650	No load error for MIL lamp power stage
P0650	Over temperature error for MIL lamp power stage
P0650	Short circuit to battery error for MIL lamp power stage
P0650	Short circuit to ground error of MIL lamp power stage
P251B	PTO switch Min error
P0301	Cylinder 1 Misfire Detected
P0303	Cylinder 2 Misfire Detected
P0304	Cylinder 3 Misfire Detected
P0302	Cylinder 4 Misfire Detected
P0300	Multiple Cylinder Misfire Detected
P060B	ECU internal diagnostic error (MoC)
P060B	ECU internal diagnostic error (MoC)
P060B	ECU internal diagnostic error (MoC)
P060C	ECU internal diagnostic error (MoC)
P060C	ECU internal diagnostic error (MoC)
P060C	ECU internal diagnostic error (MoC)
P060C	ECU internal diagnostic error (MoC)
P060C	ECU internal diagnostic error (MoC)
P060C	ECU internal diagnostic error (MoC)

P060C ECUinternal diagnositic error(MoC)
P060C ECUinternal diagnositic error(MoC)
P060C ECUinternal diagnositic error(MoC)
P060C ECUinternal diagnositic error(MoC)
P060C ECUinternal diagnositic error(MoC)
P060C ECUinternal diagnositic error(MoC)
P060C ECUinternal diagnositic error(MoC)
P1012 ECUinternal diagnositic error(MoF)
P1013 ECUinternal diagnositic error(MoF)
P1014 ECUinternal diagnositic error(MoF)
P1015 ECUinternal diagnositic error(MoF)
P1016 ECUinternal diagnositic error(MoF)
P1017 ECUinternal diagnositic error(MoF)
P1018 ECUinternal diagnositic error(MoF)
P1019 ECUinternal diagnositic error(MoF)
P1090 ECUinternal diagnositic error(MoF)
P1091 ECUinternal diagnositic error(MoF)
P101A ECUinternal diagnositic error(MoF)
P101B ECUinternal diagnositic error(MoF)
P101C ECUinternal diagnositic error(MoF)
P101D ECUinternal diagnositic error(MoF)
P101E ECUinternal diagnositic error(Mon)
P101F ECUinternal diagnositic error(Mon)
P1020 ECUinternal diagnositic error(Mon)
P1600 ECUinternal diagnositic error(Mon)
P1601 ECUinternal diagnositic error(Mon)
P068A Early openingdefect ofmain relay
P068B DFC for stuck main relayerror
P0000 DFC for inhibit plausibility checkfor
P251A PTO switchNPL error
P0195 Plausibilitycheck for OilTemperature
P0195 Physical RangeCheck high for Oil Temperature
P0195 Physical RangeCheck low for Oil Temperature
P0198 SRCHigh for Oil Temperature
P0197 SRClow for OilTemperature
P0422 the HC conversion ratebelow threshold
P0422 Diagnostic fault checkfor characteristicof OxiCat
P0423 Diagnostic fault checkfor characteristicof OxiCat

P0069 Plausibilitydefect between CACDsP and EnvP

P023D Physical RangeCheck high for charger air cooler pressure(down stream) signal

P023D Physical RangeCheck low for charger air cooler pressure (down stream) signal

P0235 SRCHigh for charger air cooler pressure (down stream)

P0235 SRClow for charger air cooler pressure (down stream)

P2263 PCRpositivegovernor deviationabove limit

P00AF Error casefor theregistered MAX error status

P056E Error casefor theregistered MAX error status duringCSERS

P00AF Error casefor boostpressure greaterthan MAX limit for the open control loopmode

P00AF Error casefor permanentMAX governor deviation for partial load

P2263 PCRnegative governordeviation below limit

P00AF Error casefor theregistered MIN error status

P056E Error casefor theregistered MIN error status duringCSERS

P00AF Error casefor boostpressure greaterthan MINlimit for the open control loop mode

P00AF Error casefor permanentMINGovernor deviation for partial load

P2562 Dynamics errorin the VNTsystem

P259C Timeto reactivatePCRcontrol monitoring

P056E Timeto firstactivation ofPCR control monitoring

P009B PCV learningfactortoo high

P009B PCV learningfactortoo low

P009B open load ofpressure control valve output

P009B over temperatureof devicedriverof pressure control valve

P009B short circuitto battery ofpressure control valve output

P009B short circuitto ground ofpressure control valve output

P009B signal range checkhigherror ofpressure control valve AD-channel

P009B signal range checklow errorofpressure control valve AD-channel

P2226 Physical RangeCheck high for Environment pressure signal

P2226 Physical RangeCheck low for Environment pressure signal

P2229 SRCHigh for Environment Pressure

P2228 SRClow for Environment Pressure

P10B5 Ambient air pressure sensor sensor error bycomponent self diagnosis

P226D DPF removeor total damage

P1031 Not plausiblefault:PhyMod_trq2qBas_MAP contains non strictly monotonous qcurves

P2002 To checkfor the Particle Oxidationcatalyst has been Blocked.

P2002 To checkfor the Particle Oxidationcatalyst has been removedfrom exhaust Path

P2455 Physical RangeCheck low for Particle Oxidation catalystDifferentialPressure

P2454 Physical RangeCheck low for Particle Oxidation catalystDifferentialPressure

P2453 DFC for CANmessage

U0100 DFC for faultyPOC CANmessage

P2455 SRCHigh for particulate oxidationcatalyst differentialPressure

P2454 SRClow for particulateoxidation catalyst differentialPressure

P0627 open load ofpre-supply pumpoutput

P0627 Over temperatureerroron ECU powerstage for Pre supplypump

P0627 short circuitto battery ofpre-supply pump output

P0627 short circuitto ground ofpre-supply pump output

P0544 Physical RangeCheck high for turbine upstream pressure sensor

P0544 Physical RangeCheck low for turbine upstream pressure sensor

P0470 SRCHigh for TrbnUs Pressure sensor

P0470 SRClow for TrbnUs Pressure sensor

P228C DFC for negative railpressure(pressure to high)

P228D DFC for positiverailpressure(pressure to low)

P229B DFC for MeUnnegative rail pressure(pressure to high)

P229A DFC for MeUnpositive rail pressure(pressure to high)

P0090 DFC for PCV negative rail pressure(pressure to high)

P0090 DFC for PCV positiverail pressure(pressure to high)

P009B setvalue ofPressure control valve not in plausibility rangeduringCPC governing

P009B minimum rail pressureexceeded during CPCgoverning

P009B maximumrail pressure exceededduring CPCgoverning

P053F DFC for monitoring thepositive rail pressure deviation duringCSERS and activeRHU

P053F DFC for monitoring thenegative rail pressure deviation during CSERS and activeRHU

P0251 maximumpositive deviationof railpressure eexceeded

P1092 maximumpositive deviationof railpressure eexceeded concerning setflow offuel

P0251 maximumnegative rail pressure deviationnwith metering unton lowerlimit is exceeded

P0087 minimum rail pressureexceeded

P0088 maximumrail pressure exceeded

P1093 maximumrail pressure exceeded-overflow detection

P213E checkof minimum railpressure

P015E Check ofrail pressure timeto control

P1094 DFC for monitoring thenegative rail pressure deviation for CSERSduringRHU(pressureto high)

P228D Railpressure exceeds critical systemlimit

P016E Railpressure exceeds critical systemlimit

P228A Plausibilityof exceededrail pressure checked

P228A Maximumnumber of overpressure reaction activationsreached

P018F maximumpositive deviationof railpressure exceeded

P018F maximumpositive deviationof railpressure exceededconcerning setvalue PCV

P018F maximumnegative rail pressure deviation with closedpressure control valve exceeded

P018F	Railpressure under minimum railpressure limitation
P018F	Railpressure above maximumrail pressure limitation
P0194	Railpressure raw valueis intermittent
P0190	Correctionvalue for railpressure too high
P0190	Correctionvalue for railpressure too low
P0191	railpressure raw valueis above maximum offset
P0191	railpressure raw valueis below minimum offset
P1095	DFC for monitoring thepositive rail pressure deviation for CSERSduringRHU(pressureto high)
P0193	Railpressure Sensorvoltage above upper limit
P0192	Railpressure Sensorvoltage below lower limit
P018F	Displayof the occurrence oftoggling between two control types
P203B	DFC for the adjustmentof the dosing quantity gets incorrectafter arefillof reducingagent
P20FE	SCRsystem Longtermadaption factor exceeds threshold
P20FE	SCRsystem Longtermadaption factor below threshold
P2BAE	SCRsystem efficiency exceeds 5.0g/KWh error
P2BAE	SCRsystem efficiency exceeds 7.0g/KWh error
P2BAE	Theactual average efficiency isbelow the eta thresholdin the case ofrange 3
P2BAE	SCRsystem efficiency error
P2214	DFC for peak plausibilitycheckfor NOx sensor downstream ofSCR Catalyst
P2214	DFC for Stuckin range errorcheckfor NOx sensor downstreamof SCRCataltyst
P2201	DFC for plausibilityerror Maxfor NOx sensor upstream of SCRCataltyst
P2201	DFC for plausibilityerror Minfor NOx sensor upstream of SCRCataltyst
P249C	Monitoring ofthe time untilthe dosing releaseis givenfor SCR system(it's used only for CARB OBD)
P3065	DFC for Monitoring ofthe SCRfill level governorHD
P20A0	Generalbackflow line plausability errorof DNOx system
P3053	Generalpressure checkerrorof DNOx system
P3054	Pressure stabilisationerrorof DNOx system
P20FE	Monitoring ofMetering Control Malfuntion Max errorofDNOx system
P20FE	Monitoring ofMetering Control Malfuntion Min errorofDNOx system
P20E9	Monitoring ofover pressure of DNOx system
P3040	Monitoring ofPressure BuildUp Malfuntion Max ofDNOx system
P21C7	DNOX relay stuck closed
P21C7	DNOX relay stuck open
P3070	DFC used toevaluate filter clog
P3071	Leakagedetection duringnodosing
P2043	Error Urea tanktemperature isoverheated
P0426	Error SCRCatalyst upstream temperature sensor plausibility maxthreshold
P0426	Error SCRCatalyst upstream temperature sensor plausibility minthreshold

P0426 Error SCRCatalyst upstream temperature sensor static plausibility
P2047 Dosing Valveis blocked
P2047 Error in dosing valve plausibilityat low voltage
P20F5 Urea tanksensor indicates too highfill level
P20F4 Urea tanksensor indicates too lowfill level
P20A6 Defective pressure reduction
P204A DFC is setin casethe meassurement valueabove the upper tolerablelimit.
P204A DFC is setin casethe meassurement valuebelow the lower tolerablelimit
P3057 Error supplymodule heaterplausibility
P3058 Error ureasupply moduleheater temperature sensor dynamic plausibility
P20B1 Error ureasupply moduleheater temperature sensor cold start plausibility
P3060 Error ureasupply moduletemperature sensor dynamic plausibility
P05EB Error ureasupply moduletemperature sensor coldstart plausibility
P203B Stuckin rangecheckof Ureatank temperature sensor
P21C7 Open loaderror ofthe externalrelay
P21C7 Overttemperature errorof theexternal relay
P21C7 Shortcircuit tobattery ofthe externalrelay
P21C7 Shortcircuit toground of theexternal relay
P0633 ImmoEOLData ReadError response
P0633 There is anEEPROM Reador writefailure.
P0633 EEP Non-plausible
P0633 ECUis in Virgin or NeutralState
P0633 Open loaderror for powerstageof Immobilizer Acknowledgment Module
P0633 Over temprature for powerstageof Immobilizer Acknowledgment Module
P0633 Shortcircuit tobattery errorfor powerstage of Immobilizer AcknowledgmentModule
P0633 Shortcircuit toground errorfor powerstage ofImmobilizer AcknowledgmentModule
P0426 ImmoInvalid Response
P1643 Cyclic signal checkfor security
P0167 ImmoCommunication Timeout
P0633 ImmoWrong Response
P0117 PTO switchsignal error(Com_stPTOSw=0x0Ewhen PTOSwt_swtSig_C= 1)
U010E Signalerror for CANmessage
P203A Urea Tank Levelsignal errorfor CAN message sesnor
P0123 SignalRange Check High for APP1
P0223 SignalRange Check High for APP2
P0122 SignalRange Check Low for APP1
P0222 SignalRange Check Low for APP2
P249E Diagnostic fault checkfor out ofrange high

P249E DFC for SRChigh errorofthe ureatank level sesnor
P249D Diagnostic fault checkfor out ofrange low
P249E DFC for SRClow errorofthe urea tank level sesnor
P0643 Error Sensorsupplies 1
P0641 Overvoltageat Sensorsupply 1
P0641 Shortto GND at Sensorsupply1
P0641 Undervoltage atSensorsupply 1
P0653 Error Sensorsupplies 2
P0651 Overvoltageat Sensorsupply 2
P0651 Shortto GND at Sensorsupply2
P0651 Undervoltage atSensorsupply 2
P0699 Error Sensorsupplies 3
P0697 Overvoltageat Sensorsupply 3
P0697 Shortto GND at Sensorsupply3
P0697 Undervoltage atSensorsupply 3
P16E8 Overvoltageat Sensorsupply
P062F Invalidvariant dataset Identifiererror
P062F Variantdataset switchingerror
P062F EEPROMread errorofthe code-word
P060C Timer errorofstop counter
P0615 only a dummy-do not use!
P26E4 Over temperatureerroron ECU powerstage for lowsideof starter output
P26E4 Shortcircuit tobattery errorfor low sideof starter output
P26E4 Shortcircuit toground errorfor low sideof starter output
P0615 No loaderror for starter
P1651 No loaderror for SVSlamp powerstage
P1651 Over temperatureerrorfor SVS lamp powerstage
P1651 Shortcircuit tobattery errorofSVS lamp powerstage
P1651 Shortcircuit toground errorofSVSlampe powerstage
P1608 SoftwareResets 0
P1609 SoftwareResets 1
P160A SoftwareResets 2
P2135 PlausibilityCheck between APP1 and APP2
P2530 Defective T50switch
P0113 SRChigh for air temperaturesensor of HFM
P0112 SRClow for air temperaturesensor of HFM
P0113 SRChigh for periodduration ofair temperaturesensor of HFM
P0112 SRClow for periodduration ofair temperaturesensor of HFM

P0100	Physical RangeCheck high for signal of air temperature sensor of HFM
P0100	Physical RangeCheck low for signal of air temperature sensor of HFM
P0100	Diagnostic fault check for air temperature sensor
P007A	Physical RangeCheck high for signal of intake air temperature sensor (after intercooler)
P007A	Physical RangeCheck low for signal of intake air temperature sensor (after intercooler)
P0098	SRCHigh for charger air cooler downstream Temperature
P0097	SRCLow for charger air cooler downstream Temperature
P0655	No load error for coolant temperature display power stage
P0655	Over temperature error on ECU power stage coolant temperature PWM output
P0655	Short circuit to battery error of coolant temperature display power stage
P0655	Short circuit to ground error of coolant temperature display power stage
P0666	Physical RangeCheck high for signal of ECU temperature sensor
P0666	Physical RangeCheck low for ECU temperature sensor
P0669	SRCHigh for ECU temperature sensor
P0668	SRCLow for ECU temperature sensor
P16E5	SMP480 ECU temperature sensor plausibility error
P24F2	Physical RangeCheck high for EGR cooler downstream temperature
P24F2	Physical RangeCheck low for EGR cooler downstream temperature
P040A	SRCHigh for EGR cooler downstream temperature sensor
P040A	SRCLow for EGR cooler downstream temperature sensor
P040A	Diagnostic fault check for EGR cooler downstream temperature sensor
P2100	Current limited for throttle valve
P2108	DFC for valve drift at closed position of TVA valve
P2108	DFC for valve drift at open position of TVA valve
P2108	DFC for Range drift of TVA valve
P2112	Throttle valve governor deviation in Cold Start
P2112	Permanent governor deviation for throttle valve
P2111	Permanent governor deviation for throttle valve
P2100	Open load error for H-bridge of throttle valve
P2100	Over current error for H-bridge of throttle valve
P2100	Over temperature error for H-bridge of throttle valve
P2100	Short circuit to battery on Out1 error for H-bridge of throttle valve
P2100	Short circuit to battery on Out2 error for H-bridge of throttle valve
P2100	Short circuit to ground on Out1 error for H-bridge of throttle valve
P2100	Short circuit to ground on Out2 error for H-bridge of throttle valve
P2100	Short circuit over load error for H-bridge of throttle valve
P2100	Temperature dependent over current error for H-bridge of throttle valve
P2100	Under voltage error for H-bridge of throttle valve

P2112	Jammed valve closed of throttle valve
P2111	Jammed valve open of throttle valve
P2108	DFC for longtime valve drift at closed position of TVA valve
P2108	DFC for longtime valve drift at open position of TVA valve
P2101	DFC for throttle valve position sensor physical SRC high
P2101	DFC for throttle valve position sensor physical SRC low
P2108	DFC for short time valve drift at closed position of TVA valve
P2108	DFC for short time valve drift at open position of TVA valve
P212A	DFC for spring break detection for TVA valve
P2622	SRC high for throttle valve position sensor value
P2621	SRC low for throttle valve position sensor value
P2620	Fault code for temporary errors for throttle valve
P1551	Error tuning detected
P0045	Current limited of turbo charger
P2562	Status of diagnostic fault check sensor drift at closed stop
P2562	Status of diagnostic fault check sensor drift at opened stop
P2562	Status of diagnostic fault check sensor range error
P0045	governor deviation during Cold Start for turbo charger
P0045	Permanent positive governor deviation for turbo charger
P0045	Permanent negative governor deviation for turbo charger
P0045	Open load error for power stage of turbo charger
P0045	Over current error for H-bridge of turbo charger
P0045	Over temperature error for H-bridge of turbo charger
P0045	Short circuit to battery on Out1 error for H-bridge of turbo charger
P004A	Short circuit to battery on Out2 error for H-bridge of turbo charger
P0045	Short circuit to ground on Out1 error for H-bridge of turbo charger
P004A	Short circuit to ground on Out2 error for H-bridge of turbo charger
P0045	Short circuit over load error for H-bridge of turbo charger
P0045	Temperature dependent over current error for H-bridge of turbo charger
P0045	Under voltage error for H-bridge of turbo charger
P2562	Jammed valve closed of valve for turbo charger
P2562	Jammed valve open of valve for turbo charger
P2562	Status of diagnostic fault check long time sensor drift at opened stop
P2562	Status of diagnostic fault check long time sensor drift at opened stop
P2562	Status of diagnostic fault check Phys.SRC Max. sensor range error
P2562	Status of diagnostic fault check Phys.SRC Min. sensor range error
P2562	Status of diagnostic fault check short time sensor drift at opened stop
P2562	Status of diagnostic fault check short time sensor drift at opened stop

P2562 DFC for spring break detection

P2562 SRChigh for turbocharger position sensor value

P2562 SRClow for turbocharger position sensor value

P0045 Fault code for temporary errors of turbo charger

P0544 Diagnostic fault check for plausibility of turbine upstream temperature

P2428 Diagnostic Fault Check for Physical Signal below minimum limit

P2428 Diagnostic Fault Check for Physical Signal below minimum limit

P0544 defect fault check for signal value above maximum limit

P0544 defect fault check for signal value below minimum limit

P0425 Diagnostic fault check for plausibility of urea catalyst downstream temperature

P0425 Diagnostic Fault Check for Physical Signal above maximum limit

P0425 Diagnostic Fault Check for Physical Signal below minimum limit

P0428 SRChigh for Urea catalyst downstream temperature sensor

P0427 SRClow for Urea catalyst downstream temperature sensor

P0425 Diagnostic fault check for plausibility of urea catalyst upstream temperature

P20ED Diagnostic Fault Check for Physical Signal above maximum limit

P20ED Diagnostic Fault Check for Physical Signal below minimum limit

P042D SRChigh for Urea catalyst upstream temperature sensor

P042C SRClow for Urea catalyst upstream temperature sensor

P203F low Status of urea tank level

P2047 Diagnostic error check for open load.

P2047 Over temperature error on power stage of Urea dosing valve actuator

P2047 Diagnostic error check for short circuit to battery

P2047 Diagnostic error check for short circuit to battery on the high side switch

P2047 Diagnostic error check for short circuit to ground

P2047 Diagnostic error check for short circuit to ground on the high side switch

P05F8 Pressure line heater error and the tank temperature falls below the defreezing value error

P20B9 DFC for Open Load to Ground error of Urea Heater Relay2

P20B9 DFC for a short circuit to ground or open load of urea heater relay circuit2

P20BD DFC for Open Load to Ground error of Urea Heater Relay3

P20BD DFC for a short circuit to ground or open load of urea heater relay circuit3

P20C1 DFC for Open Load to Ground error of Urea Heater Relay4

P20C1 DFC for a short circuit to ground or open load of urea heater relay circuit4

P20C5 DFC for Open Load to Ground error of Urea Heater Relay5

P20C5 DFC for a short circuit to ground or open load of urea heater relay circuit5 [DFC

P202A DFC for short circuit to battery diagnostics

P2089 DFC for ADC plausibility error of BL heater feedback

P20B9 DFC for Open Load error of Urea Backflow Line Heater Actuator power stage

P20B9 DFC for Over Temperatureerrorof Urea Backflow LineHeater Actuator powerstage
P20B9 DFC for ShortCircuit to Batteryof Urea Backflow LineHeater Actuator powerstage
P20B9 DFC for ShortCircuit to Groundof Urea Backflow LineHeater Actuator powerstage
P20BD DFC for ADCPlausibility errorofPL heater feedback
P20BD DFC for Open Load errorofUrea Pressure Line Heater Actuatorpowerstage
P20BD DFC for Over Temperatureerrorof Urea Pressure LineHeater Actuator powerstage
P20BD DFC for ShortCircuit to Batteryof Urea Pressure Lineheater Actuator powerstage
P20BD DFC for ShortCircuit to Groundof Urea Pressure LineHeater Actuator powerstage
P3043 DFC for Open Load errorofExternal Urea Heater Relay
P3044 Over temperatureerroron powerstagefor External Urea Heater Relay
P3045 DFC for ShortCircuit to Batteryerrorof External Urea Heater Relay
P3046 DFC for ShortCircuit to Grounderrorof External Urea Heater Relay
P20C1 DFC for ADCPlausibility errorofSL heater feedback
P20C1 DFC for Open Load errorofUrea Suction Line Heater Actuatorpowerstage
P20C1 DFC for Over Temperatureerrorof Urea Suction LineHeater Actuator powerstage
P20C1 DFC for ShortCircuit to Batteryof Urea Suction LineHeater Actuator powerstage
P20C1 DFC for ShortCircuit to Groundof Urea Suction LineHeater actuator powerstage
P263D DFC for ADCPlausibility errorofSM heater feedback
P263D DFC for Open Load errorofUrea Supply ModuleHeater Actuator powerstage
P263D DFC for Over Temperatureerrorof Urea Supply ModuleHeater Actuator powerstage
P263D DFC for ShortCircuit to Batteryof Urea Supply ModuleHeater Actuator powerstage
P263D DFC for ShortCircuit to Groundof Urea Supply ModuleHeater Actuator powerstage
P202A DFC for Open Load errorofUrea Tank Heater Actuator powerstage
P202A DFC for Over Temperatureerrorof Urea Tank Heater Actuator powerstage
P202A DFC for ShortCircuit to Batteryof Urea Tank Heater Actuator powerstage
P202A DFC for ShortCircuit to Groundof Urea Tank Heater Actuator powerstage
U010E Diagnostic fault checkfor Pump Mototr CommunicationReceive fail
P05EE Urea Pump MotorSpeed Deviation
P05EE Permanent UreaPump Motor Speed Deviation
P05EE No loaderror onpowerstage for urea pumpmotor
P05EE Over temperatureerroron powerstagefor ureapump motor
P208A DFC for Pumpmotor internal Duty cyclein invalid range
P208A DFC for Pumpmotor internal Duty cyclein less than the range
P208A DFC for SupplyHeater Module temperatureDuty cycle is greater than maximumrange
P208A DFC for SupplyHeater Module temperatureDuty cycle below minimum range
P208A DFC for Pumpmotor speedDuty cycle is greaterthan the range
P208A DFC for Pumpmotor speedDuty cycle in less than the range
P208A DFC for SupplyModule temperatureDuty cycle greaterthan its maximumrange

P208A DFC for SupplyModule temperatureDuty cycle below minimum Range

P05EE Shortcircuit tobattery erroron powerstage for ureapump motor

P05EE Shortcircuit toground erroron powerstage for ureapump motor

P204A Physical RangeCheck high for UreaPump ModulePressure Sensor

P204A Physical RangeCheck low for UreaPump ModulePressure Sensor

P20A0 OError ofthe PWM outputpower stage of theUrea backflow pump

P20A0 DFC for an overtemperature erroratthe PWM outputpower stage of theUrea back flow pump

P20A0 SCB errorof thePWM output powerstage of theUrea backflow pump

P20A0 SCG errorof the PWM outputpower stage of theUrea backflow pump

P203A Error of UreaTank Level Sensorwith Physical RangeCheck high

P203A Error of UreaTank Level Sensorwith Physical RangeCheck low

P205A Diagnostic Fault Check for Physical Signal above maximumlimit

P205A Diagnostic Fault Check for Physical Signal below minimum limit

P205A Signalererror for CANmessageof urea temperature

P205D SRChigh for Urea temperaturesensor

P205C SRClow for Urea temperaturesensor

P205B Error Urea Tank temperaturesensor plausibility maxerror

P205B Error Urea Tank temperaturesensor plausibility minerror

P0500 Physical RangeCheck high for signal of vehicle speed

P0500 Physical RangeCheck low for signal of vehicle speed

P062C Vehiclespeed implausible dueto CAN Plausibility

P062C Vehiclespeed implausible dueto Fuel Cut Off Check

P062C Plausibilitydefect for vehicle speed

P062C Vehiclespeed implausible dueto ReferneceSignal Check

P062C Vehiclespeed implausible dueto V2N Plaus

P215A Signalererror for vehicle speed over CAN

P215A Defectfault checkfor wheel errordetection

P16E6 Diagnosis faultcheck toreport errorin DCSintervention permissibility

P16E7 Diagnosis faultcheck toreport errorin TSC interventionpermissibility

1.1.5 4DE1-1B EURO III DIESEL ENGINE

U1125 Error For Abm Checksum

U1126 Error For Abm Counter

P0100 Battery Voltageerrorof Hfm Sensor

Correctionfactor Ofthe Drift Compensation Function Exceed The

P0100 Maximumdrift Limit

P0100 Correctionfactor Ofthe Drift Compensation Function Exceed The

Maximumdrift Limit

P0100 Scg Ofhardware Signal Of Hfmsensor

P0100 Sensitivity Drift Higherrorfor Hfmsensor

P0100 Sensitivity Drift Errorlowfor Hfmsensor

P0103 Hardware Errordetectionfor Hfm Sensor

P0103 Srchigh Errorfor Rawvalue In Hfm Sensor

P0102 Srclow Errorfor Rawvalue In Hfm Sensor

P0530 Srchigh For Ac Coolantpressure Voltage Signal

P0530 Srclow For Ac Coolantpressure Voltage Signal

P0530 Srchigh For Ac Coolantpressure Duty Cycle Signal

P0530 Srclow For Ac Coolantpressure Duty Cycle Signal

P0530 Srchigh For Ac Coolantpressure Period Signal

P0530 Srclow For Ac Coolantpressure Period Signal

P0645 No Loaderror Onpower Stage For The Compressor

P0645 Over Temperatureerroron Powerstagefor The Compressor

P0645 No Loaderror Onpower Stage For The Reduce Torqueinstruction Compressor

P0645 Over Temperatureerroron Powerstagefor The Reducetorque Instruction

P0645 Compressor

P0647 Shortcircuit Tobattery Erroron Power Stage For The Reducetorque

P0647 Instruction Compressor

P0646 Shortcircuit Toground Erroron Power Stage For The Reducetorque

P0647 Instruction Compressor

P0647 Shortcircuit Tobattery Erroron Power Stage For The Compressor

P0646 Shortcircuit Toground Erroron Power Stage For The Compressor

U0424 Air Compressorswitch Plausibilityerrorfor Caninput

U0466 Air Compressorswitch Signalerrorfor Caninput

P103D Positive Airtlgovernor Deviationabove Limit For Regeneration

P103E Negative Airtlgovernor Deviationbelow Limit For Regeneration

P0402 Air Control Systemgovernordeviation Above Limit

P0401 Air Control Systemgovernordeviation Below Limit

P1415 Error Path For Too Longtime Spent In Transtion Modern Tonrm For

P1415 Aircontrol

P1416 Timeof Airsystem To Closedlooptoo Long Error

P0403 Error Caseof Areduced Egr Massflow Due Tosooting

P2299 Plausibilitycheck Between App And Brake

P0563 Srchigh For Batteryvoltage Sensor

P0562 Srclow For Batteryvoltage Sensor

P0571 Diagnostic Fault Check Main Brake Stuck

P0504 Plausibilitycheck For Brake

P0703 Diagnostic Fault Check Redundantbrake Stuck

U0076 Diagnostic Fault Checkofdetection Of Error Passive On Can C

U0080 Diagnostic Fault Checkofdetection Of Bus Off On Can C

P026A Error Casefor Defectivecharge-Air Cooler

P0116 Defect Fault Checkfor Coolant Temperature Absolute Plausibilitytest

P0116 Defect Fault Checkfor Coolanttemperature Dynamic Plausibilitytest

P0115 Physical Rangecheck High For Coolant Temperaturesignal

P0115 Physical Rangecheck Low For Coolant Temperaturesignal

P0118 Srchigh For Engine Coolant Temperature (Down Stream)

P0117 Srclow For Engine Coolant Temperature (Down Stream)

P0704 Plausibilitycheck For Clutch

U1400 Cansignal Error For Clutch

P1006 Working Limitation Information

P144A Monitoring Ofthe Poi2 Duringthe Rhu Phase

Monitoring Ofthe System Relevant Behaviour Tominimise Theemissions

P144B During The Rhuphase

Diagnostic Fault Checkfor Datalength Check Error Of Can Receive Frame

U1123 Abm

U1122 Diagnostic Fault Checkfor Timeouterror Of Can Receive Frame Abm

U0113 Dlcerror Of Can-Receive-Frame At1lg1

U0113 Timeout Error Ofcan-Receive-Frame At1lg1

U0113 Dlcerror Of Can-Receive-Frame At10g1

U0113 Timeout Error Ofcan-Receive-Frame At10g1

U0100 Timeout Error Ofcan-Transmit-Frame Eec3

U1402 Timeout Error Ofcan-Receive-Frame Ems1

U1403 Timeout Error Ofcan-Receive-Frame Ems2

U1404 Timeout Error Ofcan-Transmit-Frame Ems4

U1405 Dlcerror Of Can-Receive-Frame Icm2

U1406 Timeout Error Ofcan-Receive-Frame Icm2

U0113 Sae J1939 Errorfor Noxconcentration Quantity Message

U0113 Sae J1939 Errorfor Noxconcentration Upstreammessage

U0113 Sae J1939 Errorfor Theactual Oxidation Factordownstream Message

U0113 Sae J1939 Errorfor Actualoxidation Factormessage

U0113 Dfc Saej1939 Errorfor Sensorstatus Byte Message (Nox Signal)

U0113 Sae J1939 For Sensorstatus Byte Downstream Sensor (Nox Signal)

U0113 Dfc Saej1939 Errorsensor Status Byte Message (O2 Signal)

U0113 Sae J1939 Errorfor Sensorstatus Byte Downstream (O2 Signal)

U0113 Sae J1939 Errorfor Sensorstatus Byte Message (Powersignal)
 U0113 Sae J1939 Errorfor Sensorstatus Byte Downstream Message (Powersignal)
 U0113 Sae J1939 Sensorfor Status Byte Downstream Message (Temperature Signal)
 U0113 Dfc Saej1939 Errorfor Sensorstatus Byte Message (Temperaturesignal)
 U1103 Timeout Error Ofcan-Receive-Frame Til
 P110A Performance Limiter For Level0.
 P110B Performance Limiter For Level1.
 P110C Performance Limiter For Level2.
 P110D Performance Limiter For Level3.
 P110E Performance Limiter Isactive
 B0030 Errorfor Crash Inforamation
 P0648 No Loaderror For Cruisecontrol Indicate Lamp Powerstage
 P0648 Over Temperatureerrorfor Cruisecontrol Indicate Lamppowerstage
 P0648 Shortcircuit Tobattery Errorfor Cruise Control Indicate Lamppowerstage
 P0648 Shortcircuit Toground Errorfor Cruise Control Indicate Lamppowerstage
 P04DB Hose Dropbetween The Crankcase And Intake Manifold
 Fault Path Which Indicatesthe Invalid Combinationof Cruise Control Keys
 P0575 Pressed
 P07CB Dfc-Id Of Cttto Beused With Dsm
 P0607 Spi/Com-Errors Ofthe Cy327
 P0563 Powerstagediagnosis Couldbe Disabled Due Tohigh Batteryvoltage
 P0562 Powerstagediagnosis Couldbe Disabled Due Tolow Batteryvoltage
 P2536 Fault Path For Signal Checkof Engine Compartmentstop Button
 P2536 Fault Path For Signal Checkof Engine Compartmentstart Button
 P00E3 Open Load Errorfor Ecbvlv
 P00E3 Over Temperature Error On Power Stage For Egr Cooler Bypassvalve
 P00E3 Shortcircuit Tobattery Errorofecb Valve
 P00E3 Shortcircuit Toground Errorof Ecb Valve
 P062F Eep Readerror Based Onthe Errorfor More Blocks
 P062F Eep Readerror Based Onthe Errorfor More Blocks
 P062F Eep Write Error Based Onthe Errorfor One Block
 P2457 Fault Code Toindicate Egr Cooling Efficiency Too Low
 P245A Fault Code Toindicate Adefect Of Egr Cooler Bypassvalve
 P0403 Current Limitedofegr Valve
 P0404 Dfc For Valve Drift Atclosed Positionof Egr Valve
 P0404 Dfc For Valve Drift Atopen Positionof Egr Valve
 P0404 Dfc For Rangedrift Of Egr Valve
 P0404 Persistentgovernor Deviationdue To Frozen Actuator (Egr Valve)At

Coldstart

P0401	Egr Valvepermanent Positivegovernor Deviation
P0402	Egr Valvepermanent Negative Governor Deviation
P213A	Open Loaderror For Egrvlvh-Bridge Powerstage
P213A	Over Current Errorfor Egrvlvh-Bridge
P213A	Over Temperatureerrorfor Egrvlv H-Bridgepowerstage
P0487	Shortcircuit Tobattery Onegr H-Bridge Out1 Error
P213A	Shortcircuit Tobattery Onegr H-Bridge Out2 Error
P0487	Shortcircuit Toground On Egrh-Bridge Out1 Error
P213A	Shortcircuit Toground On Egrh-Bridge Out2 Error
P213A	Shortcircuit Over Loaderrorfor H-Bridge Egrvlvpowerstage
P213A	Temperature Dependent Over Current Error For Egrvlv H-Bridgepowerstage
P213A	Under Voltage Errorfor Egrvlvh-Bridge Powerstage
P0401	Jammed Egrvalve In Closedstate
P0402	Jammed Egrvalve In Open State
P0404	Dfc For Longtime Valve Drift At Closed Position Ofegr Valve
P0404	Dfc For Longtime Valve Drift At Open Position Ofegr Valve
P0409	Dfc For Valve Positionsensor Physical Srchigh Ofegr Valve
P0409	Dfc For Valve Positionsensor Physical Srclow Ofegr Valve
P0404	Dfc For Short Time Valve Drift Atclosed Position Ofegr Valve
P0404	Dfc For Short Time Valve Drift Atopen Position Ofegr Valve
P0409	Dfc For Spring Break Detectionfor Egr Valve
P0406	Srchigh For Evrvlvposition Sensor Value
P0405	Srclow For Egrvlvposition Sensor Value
P0409	Looseconnection Orsporadic Temporary Errors Of Egrvalve
P1008	Injection Cutoff Demand (Ico)For Shut Off Coordinator
P0219	Overspeed Detectionin Component Engine Protection
P1009	Indicates If Atmfw Resonance Shutoff Condition Is Active
P0725	No Loaderror Onthe Engine Speed Output
P0725	Over Temperature Erroronthe Engine Speed Output
P0725	Shortcircuit Tobattery Erroron Theengine Speed Output
P0725	Shortcircuit Toground Erroron The Engine Speed Output
	Diagnostic Fault Check For Enhanced Src-Max Offirst Exhaust Gas
P2031	Temperature
	Diagnostic Fault Check For Enhanced Src- Max Ofsecond Exhaust
P2031	Gastemperature
	Diagnostic Fault Check For Enhanced Src- Max Ofthird Exhaust Gas
P2031	Temperature

Diagnostic Fault Check For Enhanced Src- Max Offourth Exhaust
P2031 Gastemperature
Diagnostic Fault Check For Enhanced Src-Max Offifth Exhaust
P2031 Gastemperature
Diagnostic Fault Check For Enhanced Src- Max Ofsixth Exhaust Gas
P2031 Temperature
Diagnostic Fault Check For Enhanced Src- Min Offirst Exhaust Gas
P2031 Temperature
Diagnostic Fault Check For Enhanced Src- Min Ofsecond Exhaust
P2031 Gastemperature
Diagnostic Fault Check For Enhanced Src- Min Ofthird Exhaust Gas
P2031 Temperature
Diagnostic Fault Check For Enhanced Src-Min Offourth Exhaust
P2031 Gastemperature
Diagnostic Fault Check For Enhanced Src- Min Offifth Exhaust
P2031 Gastemperature
Diagnostic Fault Check For Enhanced Src- Min Ofsixth Exhaust Gas
P2031 Temperature
P0073 Srhigh For Environment Temperature
P0072 Srclow For Environment Temperature
P0341 Dfc For Camshaftsignal Diagnose -Disturbed Signal
P0340 Dfc For Camshaftsignal Diagnose - No Signal
P0340 Dfc For Camshaftoffset Angle Exceeded
P0336 Dfc For Crankshaftsignal Diagnose -Disturbed Signal
P0335 Dfc For Crankshaftsignal Diagnose -No Signal
Dfc Reportingerrorstate On Comparing Energisingtime To Maxvalue
P020A Logical Injector 1
Dfc Reportingerrorstate On Comparing Energisingtime To Maxvalue
P020C Logical Injector 2
Dfc Reportingerrorstate On Comparing Energisingtime To Maxvalue
P020D Logical Injector 3
Dfc Reportingerrorstate On Comparing Energisingtime To Maxvalue
P020B Logical Injector 4
Dfc Reportingerrorstate On Comparing Energisingtime To Minvaluelogical
P020A Injector 1
Dfc Reportingerrorstate On Comparing Energisingtime To Minvaluelogical
P020C Injector 2
P020D Dfc Reportingerrorstate On Comparing Energisingtime To Minvaluelogical

Injector 3
Dfc Reportingerrorstate On Comparing Energisingtime To Minvalueological

P020B Injector 4

P20CB Maximumdeviation Of Ehaust Temperature Inner Loop Controller

P20CB Minimum Deviation Ofehaust Temperature Inner Loop Controller

Monitoring Ofthe Response Timeof The Inner Control Loop Ofthe Exhaust

P24C2 Gas

P24C2 Maximumdeviation Of Ehaust Temperature Outer Loopcontroller

P24C2 Minimum Deviation Ofehaust Temperature Outer Loopcontroller

Monitoring Ofthe Response Timeof The Outer Control Loopof The

P24C2 Exhaustgas Temperature Controller

P1502 No Loaderror For Exhaust Flap Lamp Actuator Powerstage

P1503 Over Temperature Errorfor Exhaust Flap Lampactuator Powerstage

P1504 Shortcircuit Tobattery Errorfor Exhaust Flap Lampactuator Powerstage

P1505 Shortcircuit Toground Errorfor Exhaust Flap Lampactuator Powerstage

P04D4 No Loaderror For Exhaust Flap Relay Actuator Powerstage

P04D4 Over Temperature Errorfor Exhaust Flap Relay Actuatorpowerstage

P04D4 Shortcircuit Tobattery Errorfor Exhaust Flap Relay Actuatorpowerstage

P04D4 Shortcircuit Toground Errorfor Exhaust Flap Relay Actuatorpowerstage

P0544 Plausibilitycheck For Coldstart Condition Of Exhaust-Gas Temperature1

P2031 Plausibilitycheck For Coldstart Condition Of Exhaust-Gas Temperature2

P242A Plausibilitycheck For Coldstart Condition Of Exhaust-Gas Temperature3

P246E Plausibilitycheck For Coldstart Condition Of Exhaust-Gas Temperature4

P2480 Plausibilitycheck For Coldstart Condition Of Exhaust-Gas Temperature5

P1410 Plausibilitycheck For Coldstart Condition Of Exhaust-Gas Temperature6

Diagnostic Fault Checkduring Coldstart Condition Ofexhaust-Gas

P1411 Temperatures

Diagnostic Fault Checkfor Model Based Plausiblity Checkof

P0544 Firstexhaust-Gas Temperature

Diagnostic Fault Checkfor Model Based Plausiblity Checkof

P2031 Secondexhaust-Gas Temperature

Diagnostic Fault Checkfor Model Based Plausiblity Checkof Third

P242A Exhaust-Gas Temperature

Diagnostic Fault Checkfor Model Based Plausiblity Checkof

P246E Fourtexhaust-Gas Temperature

Diagnostic Fault Checkfor Model Based Plausiblity Checkof

P2480 Fifthexhaust-Gas Temperature

P1412 Diagnostic Fault Checkfor Model Based Plausiblity Checkof Sixth

Exhaust-Gas Temperature

P0480 No Loaderror For Diofan1 Powerstage

P0480 No Loaderror For Diofan2 Powerstage

P0480 Over Temperatureerrorfor Dio Fan1 Powerstage

P0480 Over Temperatureerrorfor Dio Fan2 Powerstage

P0692 Shortcircuit Tobattery Errorfor Dio Fan

P0692 Shortcircuit Tobattery Errorfor Dio Fan

P0691 Shortcircuit Toground Errorof Diofan1 Powerstage

P0691 Shortcircuit Toground Errorof Diofan1 Powerstage

Fbc (Fuel Quantity Balancingcontrol) Correction Quantities

P0611 Atlimitation For Injector 1

Fbc (Fuel Quantity Balancingcontrol) Correction Quantities

P0611 Atlimitation For Injector 2

Fbc (Fuel Quantity Balancingcontrol) Correction Quantities

P0611 Atlimitation For Injector 3

Fbc (Fuel Quantity Balancingcontrol) Correction Quantities

P0611 Atlimitation For Injector 4

P0001 No Loaderror For Fuel Consumptiondisplay Signal Component

P0001 Over Temperature Errorfor Fuel Consumption Display Signal

Shortcircuit Tobattery Errorfor Fuel Consumption Display Signal

P0001 Component

Shortcircuit Toground Errorfor Fuel Consumption Display Signal

P0001 Component

P2687 No Loaderror In Powerstageof Fuelfilter Heating

P2687 Over Temperature Errorin Powerstageof Fuel Filterheating

P2687 Shortcircuit Tobattery Errorin Powerstage Of Fuelfilter Heating

P2687 Shortcircuit Toground Errorin Powerstage Of Fuelfilter Heating

P0656 Error Over Canfor Fuel Level Ratio Sensor

P0463 Srchigh For Fuellevel Sensor

P0462 Srclow For Fuellevel Sensor

Fuel Tankbelow Critical Level Or Danger Ofan Air Contaminated

P0460 Hydraulicsystem

P226A No Loaderror For Waterin Fuelindicatelamp Powerstage

P226A Over Temperatureerrorfor Water In Fuel Indicate Lamppowerstage

P226A Shortcircuit Tobattery Errorfor Water In Fuel Indicatelamp Powerstage

P226A Shortcircuit Toground Errorof Waterin Fuel Indicate Lamppowerstage

P2264 Max Thresholderrorfor The Sensor Self Test

P2269 Errorto Report Detectionofwater In Fuel

P0180 Physical Rangecheck High For Fuel Temperaturesensor Signal
P0180 Physical Rangecheck Low For Fuel Temperaturesensor Signal
P0183 Srchigh For Fueltemperature Sensor
P0182 Srclow For Fueltemperature Sensor
P0181 Dfc For Fueltemperature Plausibilitycheck Function
U1402 Check For Errorfor Caninput Of Gearbox
P0381 No Loaderror For Glowlamp Powerstage
P0381 Over Temperatureerrorfor Glow Lamp Powerstage
P0381 Shortcircuit Tobattery Errorfor Glow Lamp Powerstage
P0381 Shortcircuit Toground Errorof Glowlamp Powerstage
P064C Dfc For Coding Errorwhenselected Coding Is Not Matchingfor Glow Plug
Dfc For Faultydiagnostic Data Transmission Or Protocolerrorfor Glow
P064C Plug
Dfc For Coding Errorwhendifferent Coding Words Werereceived In A
P064C Codingcycle For Glow Plug
P064C Dfc For Errorin The Frame Receptionfrom Gcu
P064C Dfc For Chargepumpunder Voltage
P0671 Dfc For Short Circuitto Batteryerror
P0673 Dfc For Short Circuitto Batteryerror
P0674 Dfc For Short Circuitto Batteryerror
P0672 Dfc For Short Circuitto Batteryerror
P0671 Dfc For Open Load Error
P0673 Dfc For Open Load Error
P0674 Dfc For Open Load Error
P0672 Dfc For Open Load Error
P064C Over Temperatureerrorfor Glow Plug Lamp Powerstage
P0671 Dfc For Over Loaderror
P0673 Dfc For Over Loaderror
P0674 Dfc For Over Loaderror
P0672 Dfc For Over Loaderror
P064C Dfc For Errordue Togcu Over Voltage Error
Dfc For Errordue Toprflag Not Setin Cd535_Rst_Cmd State Or Notreset In
P064C Ge_Clr_Cmdstate.
P0671 Dfc For Short Circuitto Ground Error
P0673 Dfc For Short Circuitto Ground Error
P0674 Dfc For Short Circuitto Ground Error
P0672 Dfc For Short Circuitto Ground Error
P064C Dfc For T30Missingin Gcu-T: Ifno Voltage Is Presentat The T30Input When

Gcu Is Activated

P064C Dfc For Gcu4Variant Error

Relay Failure (Rf),Glow Plugfailure (Gf),Short Circuit/Overcurrent

P064C (Sc) Errors Of Gcu-R

P064C Sticking Relay (Rs), Short Circuit/Over Current (Sc) Errors Ofgcu-R

P0381 No Loaderror For Glowplug Low Voltage System

P037D Over Temperatureerroron Ecu Powerstage For Glowplug Low Voltage System

P037D Shortcircuit Tobattery Errorfor Glowplug Low Voltage System

P037D Shortcircuit Toground Errorfor Glow Plug Low Voltage System

P037D No Loaderror For Glowplug Powerstage

P037D Over Temperatureerrorfor Glow Plug Lamp Powerstage

P0671 Dfc For Failure Glowplug 1Poweredby Gcu-T

P0673 Dfc For Failure Glowplug 2Poweredby Gcu-T

P0674 Dfc For Failure Glowplug 3Poweredby Gcu-T

P0672 Dfc For Failure Glowplug 4Poweredby Gcu-T

P0671 Dfc For Short Circuitglow Plug1 Powered Bygcu-T

P0673 Dfc For Short Circuitglow Plug2 Powered Bygcu-T

P0674 Dfc For Short Circuitglow Plug3 Powered Bygcu-T

P0672 Dfc For Short Circuitglow Plug4 Powered Bygcu-T

P037D Shortcircuit Tobattery Errorofglow Plug Powerstage

P037D Shortcircuit Toground Errorof Glowplug Powerstage

Dfc For T30Missingin Gcu-T: Ifno Voltage Is Presentat The T30Input When

P064C Gcu Is Activated

P064C Dfc For Glow Moduleerrorin Gcu-T

Heater Diagnosisbased On The Timervalue After Diagnosisreleasefor

P2205 Sensor 1.

Heater Diagnosisbased On The Timervalue After Diagnosisreleasefor

P22A3 Sensor 2.

Heater Diagnosisbased On The Timervalue After Diagnosisreleasefor

P2205 Sensor 1.

Heater Diagnosisbased On The Timervalue After Diagnosisreleasefor

P22A3 Sensor 2.

P2200 Dfc Tomonitor Noxsignal Validityof Sensor 1

P229E Dfc Tomonitor Noxsignal Validityof Sensor 2

P2200 Dynamic Responseof The Sensor Signal To High If Erroris Reported.

P2200 Dynamic Responseof The Sensor Signal To Slow If Errorisreported.

P2200 Nox Offsetmax Errordetection, Sensor1

P229E Nox Offsetmax Errordetection, Sensor2

P2200 Nox Offsetmin Errordetection, Sensor 1
P229E Nox Offsetmin Errordetection, Sensor2
P225D Dfc For Nox Undershooterrordetection (Front-End Catalyst Sensor)
P225F Dfc For Nox Undershooterrordetection (Back-End Catalyst Sensor)
P2200 No Remark
P229E No Remark
P2200 No Remark
P229E No Remark
P014D 02Plausibility Ofthe Nox Sensor:Errorin Fullload
P013B 02Plausibility Ofthe Nox Sensor:Errorin Fullload
P014D 02Plausibility Ofthe Nox Sensor:Errorin Overrun
P013B 02Plausibility Ofthe Nox Sensor:Errorin Overrun
P014D 02Plaus Checkin Part Load For Sensor 1.
P013B 02Plaus Checkin Part Load For Sensor 2.
P2200 No Remark
P229E No Remark
Selfdiagnosis Errordetectionbased On The Abortcriteria In Noxsensor
P06EA 1Bank 1
Selfdiagnosis Errordetectionbased On The Abortcriteria In Noxsensor
P06EB 2Bank 1
Selfdiagnosis Errordetectionbased On The Correctionavg Valuein
P06EA Noxsensor 1 Bank 1
Selfdiagnosis Errordetectionbased On The Correctionavg Valuein
P06EB Noxsensor 2 Bank 1
Selfdiagnosis Errordetectionbased On The Timeoutcriteria In Nox Sensor
P06EA 1Bank 1
Selfdiagnosis Errordetectionbased On The Timeoutcriteria In Nox Sensor
P06EB 2Bank 1
P2200 No Remark
P229E No Remark
P2208 Dfc Ofsignal Readinessofsensor 1
P22A6 Dfc Ofsignal Readinessofsensor 2
P2201 No Remark
P2215 No Remark
P2201 No Remark
P2216 No Remark
P2201 No Remark
P2215 No Remark

P2201 No Remark
P2216 No Remark
P2201 No Remark
P2201 No Remark
P0507 Engine Speed Exceeds Theupper Limit While High-Lowspeeddemand Is Active
Engine Speed Falls Below Thelower Limit While High-Lowspeeddemand Is
P0506 Active
P1085 Positive Railpressure Is Exceeded
P1086 Numberof Injections Is Limitedbysystem
P100F Numberof Injections Is Limitedbyquantity Balance Ofhigh Pressure Pump
P1010 Numberof Injections Is Limitedbysystem
P1011 Numberof Injections Is Limitedbyruntime
P026D Exceeding Ofthe Maximum Control Injectionquantity
P026C Undershooting Ofthe Minimum Control Injection Quantity
P1066 Problems Withrail Pressurebuild Up
P0A0F Checkof Engine Startingproblems
P0201 Open Load Oflogical Injector 1
P0203 Open Load Oflogical Injector 2
P0204 Open Load Oflogical Injector 3
P0202 Open Load Oflogical Injector 4
P062D Short Circuitof Injectionbank0
P062E Short Circuitof Injectionbank1
P0262 General Short Circuitlogical Injector 1
P0268 General Short Circuitlogical Injector 2
P0271 General Short Circuitlogical Injector 3
P0265 General Short Circuitlogical Injector 4
P0261 Short Circuitlow Sideto Highside Logical Injector 1
P0267 Short Circuitlow Sideto Highside Logical Injector 2
P0270 Short Circuitlow Sideto Highside Logical Injector 3
P0264 Short Circuitlow Sideto Highside Logical Injector 4
U0073 Diagnostic Fault Checkofdetection Ofbus Off Oncan A
P16AC Diagnostic Fault Checkofdetection Ofbus Off Onabm
P16E6 Diagnostic Fault Checkofdetection Ofbus Off Onicm
P0201 Measured Injectionclosing Time Exceeds A Limit
P0203 Measured Injectionclosing Time Exceeds A Limit
P0204 Measured Injectionclosing Time Exceeds A Limit
P0202 Measured Injectionclosing Time Exceeds A Limit
P062B Checkof Missinginjector Adjustmentvalue Programming Of

Logicalinjector 1
Checkof Missinginjector Adjustmentvalue Programming Of
P062B Logicalinjector 2
Checkof Missinginjector Adjustmentvalue Programming Of
P062B Logicalinjector 3
Checkof Missinginjector Adjustmentvalue Programming Of
P062B Logicalinjector 4
P062F Error Duringread/Write Operation
P251C Pto Switchmax Error
P0251 Intermittent Contactbetween Ecu And Meun
P0251 Open Load Ofmetering Unitoutput
P0252 Over Teperature Ofdevice Driverofmetering Unit
P0251 Short Circuitto Battery Ofmetering Unit Output
P0251 Short Circuitto Ground Ofmetering Unit Output
P0254 Signal Range Checkhigherror Ofmetering Unit Ad-Channel
P0253 Signal Range Checklow Errorofmetering Unit Ad-Channel
P0650 No Loaderror For Mil Lamppowerstage
P0650 Over Temperatureerrorfor Mil Lamp Powerstage
P0650 Shortcircuit Tobattery Errorfor Mil Lamp Powerstage
P0650 Shortcircuit Toground Errorof Mil Lamp Powerstage
P251B Pto Switchmin Error
P0301 Cylinder 1 Misfiredetected
P0303 Cylinder 2 Misfiredetected
P0304 Cylinder 3 Misfiredetected
P0302 Cylinder 4 Misfiredetected
P0300 Multiple Cylinder Misfiredetected
P060B Ecuinternal Diagnositic Error (Moc)
P060B Ecuinternal Diagnositic Error (Moc)
P060B Ecuinternal Diagnositic Error (Moc)
P060C Ecuinternal Diagnositic Error (Moc)
P060C Ecuinternal Diagnositic Error (Moc)
P060C Ecuinternal Diagnositic Error (Moc)
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P060C Ecuinternal Diagnositic Error (Moc)
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P060C Ecuinternal Diagnositic Error (Moc)

P060C	Ecuinternal Diagnositic Error (Moc)
P060C	Ecuinternal Diagnositic Error (Moc)
P060C	Ecuinternal Diagnositic Error (Moc)
P060C	Ecuinternal Diagnositic Error (Moc)
P1012	Ecuinternal Diagnositic Error (Mof)
P1013	Ecuinternal Diagnositic Error (Mof)
P1014	Ecuinternal Diagnositic Error (Mof)
P1015	Ecuinternal Diagnositic Error (Mof)
P1016	Ecuinternal Diagnositic Error (Mof)
P1017	Ecuinternal Diagnositic Error (Mof)
P1018	Ecuinternal Diagnositic Error (Mof)
P1019	Ecuinternal Diagnositic Error (Mof)
P1090	Ecuinternal Diagnositic Error (Mof)
P1091	Ecuinternal Diagnositic Error (Mof)
P101A	Ecuinternal Diagnositic Error (Mof)
P101B	Ecuinternal Diagnositic Error (Mof)
P101C	Ecuinternal Diagnositic Error (Mof)
P101D	Ecuinternal Diagnositic Error (Mof)
P101E	Ecuinternal Diagnositic Error (Mon)
P101F	Ecuinternal Diagnositic Error (Mon)
P1020	Ecuinternal Diagnositic Error (Mon)
P1600	Ecuinternal Diagnositic Error (Mon)
P1601	Ecuinternal Diagnositic Error (Mon)
P068A	Early Openingdefect Ofmain Relay
P068B	Dfc For Stuck Main Relayerror
P0000	Dfc For Inhibit Plausibility Checkfor
P0195	Pto Switchnpl Error
P0195	Plausibilitycheck For Oiltemperature
P0195	Physical Rangecheck High For Oil Temperature
P0198	Physical Rangecheck Low For Oil Temperature
P0197	Srchigh For Oil Temperature
P0422	Srclow For Oiltemperature
P0422	The Hc Conversion Ratebelow Threshold
P0423	Diagnostic Fault Checkfor Characteristicof Oxicat
P0069	Diagnostic Fault Checkfor Characteristicof Oxicat
P023D	Plausibilitydefect Between Cacdsp And Env
	Physical Rangecheck High For Chargerd Air Cooler Pressure (Down Stream)
P023D	Signal

Physical Rangecheck Low For Chargerdair Cooler Pressure (Down Stream)

P0235 Signal

P0235 Srchigh For Chargerdair Cooler Pressure (Down Stream)

P2263 Srclow For Chargerdair Cooler Pressure (Down Stream)

P00AF Pcrpositivegovernor Deviationabove Limit

P056E Error Casefor Theregistered Max Error Status

P00AF Error Casefor Theregistered Max Error Status Duringcsers

Error Casefor Boostpressure Greaterthan Max Limit For The Open Control

P00AF Loopmode

P2263 Error Casefor Permanentmax Governor Deviation For Partial Load

P00AF Pcrnegative Governordeviation Below Limit

P056E Error Casefor Theregistered Min Error Status

P00AF Error Casefor Theregistered Min Error Status Duringcsers

Error Casefor Boostpressure Greaterthan Minlimit For The Open Control

P00AF Loop Mode

P2562 Error Casefor Permanentmingovernor Deviation For Partial Load

P259C Dynamics Errorin The Vntsystem

P056E Timeto Reactivatepcrcontrol Monitoring

P009B Timeto Firstactivation Ofpcr Control Monitoring

P009B Pcv Learningfactortoo High

P009B Pcv Learningfactortoo Low

P009B Open Load Ofpressure Control Valve Output

P009B Over Temperatureof Devicedriverof Pressure Control Valve

P009B Short Circuitto Battery Ofpressure Control Valve Output

P009B Short Circuitto Ground Ofpressure Control Valve Output

P009B Signal Range Checkhigherror Ofpressure Control Valve Ad-Channel

P2226 Signal Range Checklow Errorofpressure Control Valve Ad-Channel

P2226 Physical Rangecheck High For Environment Pressure Signal

P2229 Physical Rangecheck Low For Environment Pressure Signal

P2228 Srchigh For Environment Pressure

P10B5 Srclow For Environment Pressure

P226D Ambient Air Pressure Sensor Sensor Error Bycomponent Self Diagnosis

P1031 Dpf Removeor Total Damage

Not Plausibefault:Phymod_Trq2Qbas_Map Contains Non Strictly

P2002 Monotonus Qcurves

P2002 To Checkfor The Particle Oxidationcatalyst Has Been Blocked.

To Checkfor The Particle Oxidationcatalyst Has Been Removedfrom Exhaust

P2455 Path

Physical Rangecheck Low For Particle Oxidation
P2454 Catalystdifferentialpressure
Physical Rangecheck Low For Particle Oxidation
P2453 Catalystdifferentialpressure
U0100 Dfc For Canmessage
P2455 Dfc For Faultypoc Canmessage
P2454 Srchigh For Particulate Oxidationcatalyst Differentialpressure
P0627 Srclow For Particulateoxidation Catalyst Differentialpressure
P0627 Open Load Ofpre-Supply Pumpoutput
P0627 Over Temperatureerroron Ecu Powerstage For Pre Supplypump
P0627 Short Circuitto Battery Ofpre-Supply Pump Output
P0544 Short Circuitto Ground Ofpre-Supply Pump Output
P0544 Physical Rangecheck High For Turbine Upstream Pressure Sensor
P0470 Physical Rangecheck Low For Turbine Upstream Pressure Sensor
P0470 Srchigh For Trbnus Pressure Sensor
P228C Srclow For Trbnus Pressure Sensor
P228D Dfc For Negative Railpressure (Pressure To High)
P229B Dfc For Positiverailpressure (Pressure To Low)
P229A Dfc For Meunegative Rail Pressure (Pressure To High)
P0090 Dfc For Meunpositive Rail Pressure (Pressure To High)
P0090 Dfc For Pcv Negative Rail Pressure (Pressure To High)
P009B Dfc For Pcv Positiverail Pressure (Pressure To High)
Setvalue Ofpressure Control Valve Not In Plausibility Rangeduringcpc
P009B Governing
P009B Minimum Rail Pressureexceeded During Cpcgoverning
P053F Maximumrail Pressure Exceededdduring Cpcgoverning
Dfc For Monitoring Thepositive Rail Pressure Deviation Duringcsers And
P053F Activerhu
Dfc For Monitoring Thenegative Rail Pressure Deviation During Csers And
P0251 Activerhu
P1092 Maximumpositive Deviationof Railpressure Eexceeded
Maximumpositive Deviationof Railpressure Eexceeded Concerning Setflow
P0251 Offuel
Maximumnegative Rail Pressure Deviationnwith Metering Uniton
P0087 Lowerlimit Is Exceeded
P0088 Minimum Rail Pressureexceeded
P1093 Maximumrail Pressure Exceeded
P213E Maximumrail Pressure Exceeded-Overrun Detection

P015E Check of Minimum Railpressure
P1094 Check of rail Pressure Timeto Control
Dfc For Monitoring The negative Rail Pressure Deviation For
P228D Csersduringrhu (Pressure to High)
P016E Railpressure Exceeds Critical Systemlimit
P228A Railpressure Exceeds Critical Systemlimit
P228A Plausibility of Exceeded rail Pressure Checked
P018F Maximum number Of Overpressure Reaction Activations reached
P018F Maximum positive Deviation of Railpressure Exceeded
Maximum positive Deviation of Railpressure Exceeded concerning Setvalue
P018F Pcv
Maximum negative Rail Pressure Deviation With Closed pressure Control
P018F Valve Exceeded
P018F Railpressure Under Minimum Railpressure Limitation
P0194 Railpressure Above Maximum rail Pressure Limitation
P0190 Railpressure Raw Value is Intermittent
P0190 Correction value For Railpressure Too High
P0191 Correction value For Railpressure Too Low
P0191 Railpressure Raw Value is Above Maximum Offset
P1095 Railpressure Raw Value is Below Minimum Offset
Dfc For Monitoring The positive Rail Pressure Deviation For
P0193 Csersduringrhu (Pressure to High)
P0192 Railpressure Sensor voltage Above Upper Limit
P018F Railpressure Sensor voltage Below Lower Limit
P203B Display of The Occurrence of toggling Between Two Control Types
Dfc For The Adjustment of The Dosing Quantity Gets Incorrect after
P20FE Arefill of Reducing agent
P20FE Scrsystem Longterm adaption Factor Exceeds Threshold
P2BAE Scrsystem Longterm adaption Factor Below Threshold
P2BAE Scrsystem Efficiency Exceeds 5.0G/Kwh Error
P2BAE Scrsystem Efficiency Exceeds 7.0G/Kwh Error
The actual Average Efficiency is below The Eta Threshold in The Case
P2BAE of range 3
P2214 Scrsystem Efficiency Error
P2214 Dfc For Peak Plausibility check for Nox Sensor Downstream of scr Catalyst
Dfc For Stuck in Range Error check for Nox Sensor Downstream of
P2201 Scrcataltyst
P2201 Dfc For Plausibility error Max for Nox Sensor Upstream Of Scrcataltyst

P249C Dfc For Plausibilityerror Minfor Nox Sensor Upstream Of Scrcatalyst
Monitoring Ofthe Time Untilthe Dosing Releaseis Givenfor Scr System

P3065 (It's Used Only For Carb Obd)

P20A0 Dfc For Monitoring Ofthe Scrfill Level Governorhd

P3053 Generalbackflow Line Plausability Errorof Dnox System

P3054 Generalpressure Checkerrorof Dnox System

P20FE Pressure Stabilisationerrorof Dnox System

P20FE Monitoring Ofmetering Control Malfuntion Max Errorofdnox System

P20E9 Monitoring Ofmetering Control Malfuntion Min Errorofdnox System

P3040 Monitoring Ofover Pressure Of Dnox System

P21C7 Monitoring Ofpressure Buildup Malfuntion Max Ofdnox System

P21C7 Dnox Relay Stuck Closed

P3070 Dnox Relay Stuck Open

P3071 Dfc Used Toevalue Filter Clog

P2043 Leakagedetection Duringnodosing

P0426 Error Urea Tanktemperature Isoverheated

P0426 Error Scrcatalyst Upstream Temperature Sensor Plausibility

P0426 Maxthreshold

P0426 Error Scrcatalyst Upstream Temperature Sensor Plausibility

P0426 Minthreshold

P2047 Error Scrcatalyst Upstream Temperature Sensor Static Plausibility

P2047 Dosing Valveis Blocked

P20F5 Error In Dosing Valve Plausibilityat Low Voltage

P20F4 Urea Tanksensor Indicates Too Highfill Level

P20A6 Urea Tanksensor Indicates Too Lowfill Level

P204A Defective Pressure Reduction

P204A Dfc Is Setin Casethe Measurement Valueabove The Upper Tolerablelimit.

P3057 Dfc Is Setin Casethe Measurement Valuebelow The Lower Tolerablelimit

P3058 Error Supplymodule Heaterplausibility

P20B1 Error Ureasure Supply Moduleheater Temperature Sensor Dynamic Plausibility

P20B1 Error Ureasure Supply Moduleheater Temperature Sensor Cold Start

P3060 Plausibility

P05EB Error Ureasure Supply Modulettemperature Sensor Dynamic Plausibility

P203B Error Ureasure Supply Modulettemperature Sensor Coldstart Plausibility

P21C7 Stuckin Rangecheckof Ureatank Temperature Sensor

P21C7 Open Loaderror Ofthe Externalrelay

P21C7 Overttemperature Errorof Theexternal Relay

P21C7 Shortcircuit Tobattery Ofthe Externalrelay

P0633 Shortcircuit Toground Of Theexternal Relay
P0633 Immoeldata Readerror Response
P0633 There Is Aneeprom Reador Writefailure.
P0633 Eep Non-Plausible
P0633 Ecu In Virgin Or Neutralstate
P0633 Open Loaderror For Powerstageof Immobilizer Acknowledgment Module
P0633 Over Temperature For Powerstageof Immobilizer Acknowledgment Module
Shortcircuit Tobattery Errorfor Powerstage Of Immobilizer
P0633 Acknowledgmentmodule
Shortcircuit Toground Errorfor Powerstage Ofimmobilizer
P0426 Acknowledgmentmodule
P1643 Immoinvalid Response
P0167 Cyclic Signal Checkfor Security
P0633 Immocommunication Timeout
P0117 Immowrong Response
U010E Pto Switchsignal Error (Com_Stptosw=0X0Ewhen Ptoswt_Swtsig_C= 1)
P203A Signalerror For Canmessage
P0123 Urea Tank Levelsignal Errorfor Can Message Sesnor
P0223 Signalrange Check High For Appl
P0122 Signalrange Check High For App2
P0222 Signalrange Check Low For Appl
P249E Signalrange Check Low For App2
P249E Diagnostic Fault Checkfor Out Ofrange High
P249D Dfc For Srchigh Errorofthe Ureatank Level Sesnor
P249E Diagnostic Fault Checkfor Out Ofrange Low
P0643 Dfc For Srclow Errorofthe Urea Tank Level Sesnor
P0641 Error Sensorsupplies 1
P0641 Overvoltageat Sensorsupply 1
P0641 Shortto Gnd At Sensorsupply1
P0653 Undervoltage Atsensorsupply 1
P0651 Error Sensorsupplies 2
P0651 Overvoltageat Sensorsupply 2
P0651 Shortto Gnd At Sensorsupply2
P0699 Undervoltage Atsensorsupply 2
P0697 Error Sensorsupplies 3
P0697 Overvoltageat Sensorsupply 3
P0697 Shortto Gnd At Sensorsupply3
P16E8 Undervoltage Atsensorsupply 3

P062F Overvoltageat Sensorsupply
P062F Invalidvariant Dataset Identifiererror
P062F Variantdataset Switchingerror
P060C Eepromread Errorofthe Code-Word
P0615 Timer Errorofstop Counter
P26E4 Only A Dummy-Do Not Use!
P26E4 Over Temperatureerroron Ecu Powerstage For Lowsideof Starter Output
P26E4 Shortcircuit Tobattery Errorfor Low Sideof Starter Output
P0615 Shortcircuit Toground Errorfor Low Sideof Starter Output
P1651 No Loaderror For Starter
P1651 No Loaderror For Svslamp Powerstage
P1651 Over Temperatureerrorfor Svs Lamp Powerstage
P1651 Shortcircuit Tobattery Errorofsvs Lamp Powerstage
P1608 Shortcircuit Toground Errorof Svslampe Powerstage
P1609 Softwareresets 0
P160A Softwareresets 1
P2135 Softwareresets 2
P2530 Plausibilitycheck Between App1 And App2
P0113 Defective T50Switch
P0112 Srchigh For Air Temperaturesensor Of Hfm
P0113 Srclow For Air Temperaturesensor Of Hfm
P0112 Srchigh For Periodduration Ofair Temperaturesensor Of Hfm
P0100 Srclow For Periodduration Ofair Temperaturesensor Of Hfm
P0100 Physical Rangecheck High For Signal Ofair Temperaturesensor Of Hfm
P0100 Physical Rangecheck Low For Signal Ofair Temperaturesensor Of Hfm
P007A Diagnostic Fault Checkfor Airtemperature Sensor
Physical Rangecheck High For Signal Of Intake Airtemperaturesensor
P007A (After Intercooler)
Physical Rangecheck Low For Signal Of Intake Airtemperaturesensor
P0098 (After Intercooler)
P0097 Srchigh For Charger Air Cooler Downstream Temperature
P0655 Srclow For Charger Aircooler Downstream Temperature
P0655 No Loaderror For Coolanttemperature Display Powerstage
P0655 Over Temperatureerroron Ecu Powerstage Coolanttemperature Pwm Output
P0655 Shortcircuit Tobattery Errorofcoolant Tempeture Display Powerstage
P0666 Shortcircuit Toground Errorof Coolant Tempeture Display Powerstage
P0666 Physical Rangecheck High For Signal Of Ecu Temperature Sensor
P0669 Physical Rangecheck Low For Ecu Temperature Sensor

P0668 Srchigh For Ecu Temperature Sensor
P16E5 Srclow For Ecu Temperature Sensor
P24F2 Smp480 Ecutemperaturesensor Plausibility Error
P24F2 Physical Rangecheck High For Egrcooler Downstream Temperature
P040A Physical Rangecheck Low For Egr Cooler Downstream Temperature
P040A Srchigh For Egr Cooler Downstream Temperature Sensor
P040A Srclow For Egr Cooler Downstream Temperature Sensor
P2100 Diagnostic Fault Checkfor Egr Cooler Downstream Temperature Sensor
P2108 Current Limitedfor Throttlevalve
P2108 Dfc For Valve Drift Atclosed Positionof Tva Valve
P2108 Dfc For Valve Drift Atopen Positionof Tva Valve
P2112 Dfc For Rangedrift Of Tva Valve
P2112 Throttle Valve Governordeviation In Cold Start
P2111 Permanent Governordeviationfor Throttle Valve
P2100 Permanent Governordeviationfor Throttle Valve
P2100 Open Loaderror For H-Bridgeofthrottle Valve
P2100 Over Current Errorfor H-Bridgeof Throttle Valve
P2100 Over Temperatureerrorfor H-Bridgeof Throttle Valve
P2100 Shortcircuit Tobattery Onout1 Errorfor H-Bridgeof Throttlevalve
P2100 Shortcircuit Tobattery Onout2 Errorfor H-Bridgeof Throttlevalve
P2100 Shortcircuit Toground On Out1Errorfor H-Bridgeof Throttlevalve
P2100 Shortcircuit Toground On Out2Errorfor H-Bridgeof Throttlevalve
P2100 Shortcircuit Over Loaderrorfor H-Bridge Of Throttle Valve
P2100 Temperature Dependent Over Current Error For H-Bridgeof Throttle Valve
P2112 Under Voltage Errorfor H-Bridgeof Throttle Valve
P2111 Jammed Valve Closedofthrottle Valve
P2108 Jammed Valve Open Ofthrottle Valve
P2108 Dfc For Longtime Valve Drift At Closed Position Oftva Valve
P2101 Dfc For Longtime Valve Drift At Open Position Oftva Valve
P2101 Dfc For Throttlevalve Position Sensor Physical Srchigh
P2108 Dfc For Throttlevalve Position Sensor Physical Srclow
P2108 Dfc For Short Time Valve Drift Atclosed Position Oftva Valve
P212A Dfc For Short Time Valve Drift Atopen Position Oftva Valve
P2622 Dfc For Spring Break Detectionfor Tva Valve
P2621 Srchigh For Throttlevalve Position Sensor Value
P2620 Srclow For Throttlevalve Positionsensor Value
P1551 Fault Code For Temporaryerrors For Throttle Valve
P0045 Error Tuning Detected

P2562 Current Limitedofturbo Charger

P2562 Status Of Diagnosticfault Checksensor Drift At Closedstop

P2562 Status Of Diagnosticfault Checksensor Drift At Openedstop

P0045 Status Of Diagnosticfault Checksensor Range Error

P0045 Governordeviation Duringcold Startfor Turbo Charger

P0045 Permanent Positivegovernordeviation For Turbo Charger

P0045 Permanent Negative Governordeviationfor Turbo Charger

P0045 Open Loaderror For Powerstageof Turbo Charger

P0045 Over Current Errorfor H-Bridgeof Turbo Charger

P0045 Over Temperatureerrorfor H-Bridgeof Turbo Charger

P004A Shortcircuit Tobattery Onout1 Errorfor H-Bridgeof Turbocharger

P0045 Shortcircuit Tobattery Onout2 Errorfor H-Bridgeof Turbocharger

P004A Shortcircuit Toground On Out1Errorfor H-Bridgeof Turbocharger

P0045 Shortcircuit Toground On Out2Errorfor H-Bridgeof Turbocharger

P0045 Shortcircuit Over Loaderrorfor H-Bridge Of Turbo Charger

P0045 Temperature Dependent Over Current Error For H-Bridgeof Turbocharger

P2562 Under Voltage Errorfor H-Bridgeof Turbo Charger

P2562 Jammed Valve Closedof Valve For Turbo Charger

P2562 Jammed Valve Open Ofvalve For Turbo Charger

P2562 Status Of Diagnosticfault Checklong Time Sensor Drift At Openedstop

P2562 Status Of Diagnosticfault Checklong Time Sensor Drift At Openedstop

P2562 Status Of Diagnosticfault Checkphys.Src Max. Senorrange Error

P2562 Status Of Diagnosticfault Checkphys.Src Min. Senorrangeerror

P2562 Status Of Diagnosticfault Checkshort Time Sensor Drift At Openedstop

P2562 Status Of Diagnosticfault Checkshort Time Sensor Drift At Openedstop

P2562 Dfc For Spring Break Detection

P2562 Srchigh For Turbocharger Position Sensor Value

P0045 Srclow For Turbocharger Position Sensor Value

P0544 Fault Code For Temporaryerrors Of Turbo Charger

P2428 Diagnostic Fault Checkfor Plausibilityof Turbine Upstreamtemperature

P2428 Diagnostic Fault Check For Physical Signal Below Minimum Limit

P0544 Diagnostic Fault Check For Physical Signal Below Minimum Limit

P0544 Defect Fault Checkfor Signal Value Above Maximumlimit

P0425 Defect Fault Checkfor Signal Value Below Minimum Limit

Diagnostic Fault Checkfor Plausibilityof Ureacatalyst Downstream

P0425 Temperature

P0425 Diagnostic Fault Check For Physical Signal Above Maximum Limit

P0428 Diagnostic Fault Check For Physical Signal Below Minimum Limit

P0427 Srchigh For Urea Catalyst Downstream Temperature Sensor
P0425 Srclow For Urea Catalystdownstream Temperature Sensor
Diagnostic Fault Checkfor Plausibilityof Ureacatalyst Upstream
P20ED Temperature
P20ED Diagnostic Fault Check For Physical Signal Above Maximumlimit
P042D Diagnostic Fault Check For Physical Signal Below Minimum Limit
P042C Srchigh For Urea Catalystupstream Temperaturesensor
P203F Srclow For Urea Catalystupstream Temperaturesensor
P2047 Low Status Ofureatank Level
P2047 Diagnostic Errorcheckfor Open Load.
P2047 Over Temperatureerroron Powerstageof Urea Dosingvalve Actuator
P2047 Diagnostic Errorcheckfor Short Circuit To Battery
P2047 Diagnostic Errorcheckfor Short Circuit To Battery Onthe High Sideswitch
P2047 Diagnostic Errorcheckfor Short Circuit To Ground
P05F8 Diagnostic Errorcheckfor Short Circuit To Ground Onthe High Sideswitch
Pressure Line Heater Errorandthe Tank Temperaturefalls Below The
P20B9 Defreezing Valueerror
P20B9 Dfc For Open Load Toground Errorof Urea Heater Relay2
P20BD Dfc For Ashort Circuit Toground Or Open Load Ofureaheater Relay Circuit2
P20BD Dfc For Open Load Toground Errorof Urea Heater Relay3
P20C1 Dfc For Ashort Circuit Toground Or Open Load Ofureaheater Relay Circuit3
P20C1 Dfc For Open Load Toground Errorof Urea Heater Relay4
P20C5 Dfc For Ashort Circuit Toground Or Open Load Ofureaheater Relay Circuit4
P20C5 Dfc For Open Load Toground Errorof Urea Heater Relay5
Dfc For Ashort Circuit Toground Or Open Load Ofureaheater Relay Circuit5
P202A [Dfc
P2089 Dfc For Short Circuitto Batterydiagnostics
P20B9 Dfc For Adeplausibility Errorofbl Heater Feedback
P20B9 Dfc For Open Load Errorofurea Backflow Line Heater Actuatorpowerstage
Dfc For Over Temperatureerrorof Urea Backflow Lineheater Actuator
P20B9 Powerstage
Dfc For Shortcircuit To Batteryof Urea Backflow Lineheater Actuator
P20B9 Powerstage
Dfc For Shortcircuit To Groundof Urea Backflow Lineheater Actuator
P20BD Powerstage
P20BD Dfc For Adeplausibility Errorofpl Heater Feedback
P20BD Dfc For Open Load Errorofurea Pressure Line Heater Actuatorpowerstage
P20BD Dfc For Over Temperatureerrorof Urea Pressure Lineheater Actuator

	Powerstage
	Dfc For Shortcircuit To Batteryof Urea Pressure Lineheater Actuator
P20BD	Powerstage
	Dfc For Shortcircuit To Groundof Urea Pressure Lineheater Actuator
P3043	Powerstage
P3044	Dfc For Open Load Errorofexternal Urea Heater Relay
P3045	Over Temperatureerroron Powerstagefor External Urea Heater Relay
P3046	Dfc For Shortcircuit To Batteryerrorof External Urea Heater Relay
P20C1	Dfc For Shortcircuit To Grounderrorof External Urea Heater Relay
P20C1	Dfc For Adcplausibility Errorofsl Heater Feedback
P20C1	Dfc For Open Load Errorofurea Suction Line Heater Actuatorpowerstage
	Dfc For Over Temperatureerrorof Urea Suction Lineheater Actuator
P20C1	Powerstage
	Dfc For Shortcircuit To Batteryof Urea Suction Lineheater Actuator
P20C1	Powerstage
	Dfc For Shortcircuit To Groundof Urea Suction Lineheater Actuator
P263D	Powerstage
P263D	Dfc For Adcplausibility Errorofsm Heater Feedback
P263D	Dfc For Open Load Errorofurea Supply Moduleheater Actuator Powerstage
	Dfc For Over Temperatureerrorof Urea Supply Moduleheater Actuator
P263D	Powerstage
	Dfc For Shortcircuit To Batteryof Urea Supply Moduleheater Actuator
P263D	Powerstage
	Dfc For Shortcircuit To Groundof Urea Supply Moduleheater Actuator
P202A	Powerstage
P202A	Dfc For Open Load Errorofurea Tank Heater Actuator Powerstage
P202A	Dfc For Over Temperatureerrorof Urea Tank Heater Actuator Powerstage
P202A	Dfc For Shortcircuit To Batteryof Urea Tank Heater Actuator Powerstage
U010E	Dfc For Shortcircuit To Groundof Urea Tank Heater Actuator Powerstage
P05EE	Diagnostic Fault Checkfor Pump Mototr Communicationreceive Fail
P05EE	Urea Pump Motorspeed Deviation
P05EE	Permanent Ureapump Motor Speed Deviation
P05EE	No Loaderror Onpowerstage For Urea Pumpmotor
P208A	Over Temperatureerroron Powerstagefor Ureapump Motor
P208A	Dfc For Pumpmotor Internal Duty Cyclein Invalid Range
P208A	Dfc For Pumpmotor Internal Duty Cyclein Less Than The Range
	Dfc For Supplyheater Module Temperatureduty Cycle Is Greater Than
P208A	Maximumrange

P208A Dfc For Supplyheater Module Temperature duty Cycle Below Minimum Range

P208A Dfc For Pumpmotor Speed duty Cycle Is Greater than The Range

P208A Dfc For Pumpmotor Speed duty Cycle In Less Than The Range

P208A Dfc For Supply module Temperature duty Cycle Greater than Its

P208A Maximum range

P05EE Dfc For Supply module Temperature duty Cycle Below Minimum Range

P05EE Short circuit To battery Error on Power stage For Urea pump Motor

P204A Short circuit To ground Error on Power stage For Urea pump Motor

P204A Physical Range check High For Urea pump Module pressure Sensor

P20A0 Physical Range check Low For Urea pump Module pressure Sensor

P20A0 O error Of the Pwm Output power Stage Of The urea Backflow Pump

P20A0 Dfc For An Over temperature Error at the Pwm Output power Stage Of The urea

P20A0 Back Flow Pump

P20A0 Scb Error of The pwm Output Power stage Of The urea Backflow Pump

P203A Scg Error of the Pwm Output power Stage Of The urea Backflow Pump

P203A Error Of Urea tank Level Sensor with Physical Range check High

P205A Error Of Urea tank Level Sensor with Physical Range check Low

P205A Diagnostic Fault Check For Physical Signal Above Maximum limit

P205A Diagnostic Fault Check For Physical Signal Below Minimum Limit

P205D Signal error For Can message of Urea Temperature

P205C Srchigh For Urea Temperature sensor

P205B Src low For Urea Temperature sensor

P205B Error Urea Tank Temperature sensor Plausibility Max error

P0500 Error Urea Tank Temperature sensor Plausibility Min error

P0500 Physical Range check High For Signal Of Vehicle Speed

P062C Physical Range check Low For Signal Of Vehicle Speed

P062C Vehicle speed Implausible Due to Can Plausibility

P062C Vehicle speed Implausible Due to Fuel Cut Off Check

P062C Plausibility defect For Vehicle Speed

P062C Vehicle speed Implausible Due to Refer nec signal Check

P215A Vehicle speed Implausible Due to V2N Plaus

P215A Signal error For Vehicle Speed Over Can

P16E6 Defect fault Check for Wheel Error detection

P16E7 Diagnosis Fault check To report Error in Dc intervention Permissibility

P0101 Diagnosis Fault check To report Error in Tsc Intervention permissibility

P0101 Positive Airtcl Governor Deviation Above limit For Regeneration

P04DB Negative Airtcl Governor Deviation Below limit For Regeneration

U0046 Error Path For Too Long time Spent In transtion Mode Rgn To Nrm For Air

	Control
U0046	Error Passive Can C
P0575	Busoff Error Can C
	Fault Path Which Indicatesthe Invalid Combinationof Cruise Control Keys
P0403	Pressed
P1168	Looseconnection Orsporadic Temporary Errors Of Egrvalve
P1168	Diagnostic Fault Check For Diode Voltage Tolerance Learning
P1168	Diagnostic Fault Check For Maximum Fuel Temperature Error
P1168	Diagnostic Fault Check For Minmum Fuel Temperature Error
	Diagnostic Fault Check For Metering Unit Coil Resistance Tolerance
P251A	Learning
P2263	Error Case For The Registered Max Error Status
	Error Case For Boost Pressure Greater Than Max Limit For The Open Control
P2263	Loop Mode
P2263	Error Case For Permanent Max Governor Deviation For Partial Load
P2263	Error Case For The Registered Min Error Status
	Error Case For Boost Pressure Greater Than Min Limit For The Open Control
P2263	Loop Mode
P2263	Error Case For Permanent Min Governor Deviation For Partial Load
P2263	Dynamics Error In The Vnt System
	Dfc For Peak Plausibility Check For Nox Sensor Downstream Of Scr
P2214	Catalyst
P2201	Dfc For Plausibility Error Max For Nox Sensor Upstream Of Scr Catatlyst
P2201	Dfc For Plausibility Error Min For Nox Sensor Upstream Of Scr Catalyst
P3065	Dfc For Monitoring Of The Scr Fill Level Governor Hd
P20A0	General Backflow Line Plausability Error Of Dnox System
P3090	Leakage Detection During No Dosing
P0643	Overvoltage At Sensor Supply
	Pressure Line Heater Error And The Tank Temperature Falls Below The
P05F8	Defreezing Value Error
P062C	Vehicle Speed Implausible Due To V2N Plaus
P062C	Vehicle Speed Implausible Due To Refernece Signal Check

1.1.6 WP3 EURO IV DIESEL ENGINE

P062D The injection capacitor 1 is shorted to ground

P062E The injection capacitor 2 is shorted to ground

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- P0504 Main, auxiliary brake signal is not in the same state
- P100B Engine speed output temperature is too high
- P0480 Fan solenoid valve 1 No load
- P0480 Fan solenoid valve 2 No load
- P0201 The injector 1 is open
- P0205 The injector 2 is open
- P0203 The injector 3 is open
- P0206 The injector 4 is open
- P0202 The injector 5 is open
- P0204 The injector 6 is open
- P0262 Fuel injector 1 is shorted
- P0274 Fuel injector 2 is shorted
- P0268 Fuel injector 3 is shorted
- P0277 Fuel injector 4 is shorted
- P0265 Fuel injector 5 is shorted
- P0271 Fuel injector 6 is shorted
- P0261 Injector 1 low-side and high-side short-circuit
- P0273 Injector 2 low-side and high-side short-circuit
- P0267 Injector 3 low-side and high-side short-circuit
- P0276 Injector 4 low-side and high-side short-circuit
- P0264 Injector 5 low-side and high-side short-circuit
- P0270 Injector 6 low-side and high-side short-circuit
- P0650 MIL light no load
- P0650 MIL lamp over-temperature
- P0650 The MIL lamp shorts the power supply
- P0650 The MIL lamp is shorted to ground
- P060B Digital to analog conversion error
- P101A OverRun Power-up time exceeds the maximum value
- P101A Overrun injector power-up time exceeds the maximum allowable value (overheat protection of the injector)
- P0198 The oil temperature voltage signal is above the upper limit
- P0088 The rail pressure exceeds the maximum permissible value
- P1613 Alarm light open
- P1614 Alarm lamp overheated
- P1615 The alarm lamp is shorted to the power supply
- P1616 The warning light is shorted to ground
- P0113 The HFM temperature sensor signal duty cycle is above the upper limit
- P0112 The HFM temperature sensor signal duty cycle is below the lower limit

- P0113 The HFM temperature sensor signal frequency is above the upper limit
- P0112 The HFM temperature sensor signal frequency is below the lower limit
- P0404 The position voltage signal is not in the range when the EGR valve is closed
- P0404 The position voltage signal is not in the range when the EGR valve is opened
- P0404 EGR valve closed state of the two self-learning voltage signal long time deviation is too large
- P0404 EGR valve open state of the two self-learning voltage signal long time deviation is too large
- P0409 EGR valve feedback opening is above the upper limit
- P0409 EGR valve feedback opening below the lower limit
- P0404 EGR valve closed state of the two self-learning voltage signal short-term deviation is too large
- P0404 EGR valve open two self-learning voltage signal short-term deviation is too large
- P0406 EGR valve feedback voltage higher than the upper limit
- P0405 EGR valve feedback voltage below the lower limit
- P2002 To checkfor the Particle Oxidationcatalyst has been Blocked
- P2002 To checkfor the Particle Oxidationcatalyst has been removedfrom exhaust Path
- P2455 Physical RangeCheck low for Particle Oxidation catalystDifferentialPressure
- P2454 Physical RangeCheck low for Particle Oxidation catalystDifferentialPressure
- P2453 DFC for CANmessage
- U0100 DFC for faultyPOC CANmessage
- P2455 SRCHigh for particulate oxidationcatalyst differentialPressure
- P2454 SRClow for particulateoxidation catalyst differentialPressure
- P0100 Battery voltage error of HFM sensor
- P0101 DFC for Maximum Difference Plausibility of AFS Drift Adjustment
- P0101 DFC for Plausibility of AFS Drift Adjustment
- P0101 Low idle correction factor of the drift compensation function exceed the maximum drift limit
- P0101 Load correction factor of the drift compensation function exceed the maximum drift limit
- P0101 Sensitivity drift high error for HFM sensor
- P0101 Sensitivity drift error low for HFM sensor
- P0103 Hardware error detection for HFM sensor
- P0103 SRC high error for raw value in HFM sensor
- P0102 SRC low error for raw value in HFM sensor
- P0645 No load error on power stage for the compressor
- P0645 Over temperature error on powerstage for the compressor
- P0645 No load error on power stage for the reduce torque instruction compressor
- P0645 Over temperature error on powerstage for the reduce torque instruction compressor
- P0647 Short circuit to battery error on power stage for the reduce torque instruction compressor
- P0646 Short circuit to ground error on power stage for the reduce torque instruction compressor
- P0647 Short circuit to battery error on power stage for the compressor
- P0646 Short circuit to ground error on power stage for the compressor

U0424 Air Compressor switch Plausibility error for CAN input
 U0466 Air Compressor switch Signal error for CAN input
 P0101 Positive airtcl governor deviation above limit for regeneration
 P0101 negative airtcl governor deviation below limit for regeneration
 P0402 Air control system governor deviation above limit
 P0401 Air control system governor deviation below limit
 P0100 Error path for too longtime spent in transtion mode Rgn to Nrm for Air control
 P2609 DFC for SRC High error in air heater During Off
 P2609 DFC for SRC Low error in air heater During Off
 P2609 DFC for SRC High error in air heater During On
 P2609 DFC for SRC Low error in air heater During On
 P2609 DFC for Grid Heater always switched on
 P1000 Error of the first fresh air temperature sensor at cold start
 P1001 Error of the first fresh air temperature sensor at cold start
 P1002 Error of the first fresh air temperature sensor at cold start
 P1003 Error of the first fresh air temperature sensor at cold start
 P1004 Error of the first fresh air temperature sensor at cold start
 P1005 Event of an error in case of more than one fresh air temperature sensor at cold start
 P0659 DFC for Short circuit to battery of actuator relay with index x=0
 P2671 DFC for Short circuit to battery of actuator relay with index x=1
 P2686 DFC for Short circuit to battery of actuator relay with index x=2
 P0658 DFC for Short circuit to ground of actuator relay with index x=0
 P2670 DFC for Short circuit to ground of actuator relay with index x=1
 P2685 DFC for Short circuit to ground of actuator relay with index x=2
 P0563 Signal Range Check High error for battery votage sensor
 P0562 Signal Range Check Low error for battery votage sensor
 P0563 SRC high for battery voltage sensor
 P0562 SRC low for battery voltage sensor
 P0504 DFC for non plausibility of brake status
 P0504 Cruise control release failure
 P0504 Plausibility check for Brake
 P0504 DFC for non plausibility of brake status(in single brake system)
 P0571 Sig Error for Brake
 U0073 Diagnostic fault check of detection of Error-Passive on CAN A
 U0073 Diagnostic fault check of detection of Error-Passive on CAN B
 U0073 Diagnostic fault check of detection of Error-Passive on CAN C
 U0073 Diagnostic fault check of detection of Error-Passive on CAN D
 U0073 Diagnostic fault check of detection of Bus off on CAN A

- U0073 Diagnostic fault check of detection of Bus off on CAN B
- U0073 Diagnostic fault check of detection of Bus off on CAN C
- U0073 Diagnostic fault check of detection of Bus off on CAN D
- P0116 defect fault check for coolant temperature Absolute plausibility test
- P0116 defect fault check for Coolant temperature dynamic plausibility test
- U0116 CAN signal error of Engine coolant temperature(down stream)
- P0118 SRC High for Engine coolant temperature(down stream)
- P0117 SRC low for Engine coolant temperature(down stream)
- P0116 Engine coolant temperature plausibility check
- P1038 Torque limitation caused by turbo charger protection
- P1039 Torque limitation caused by engine protection
- P1040 Torque limitation caused by injection system
- P1006 Working limitation information
- P1041 Torque limitation caused by engine brake
- P1042 Torque limitation caused by particulate filter
- P1043 Torque limitation caused by performance limiter
- P1044 Torque limitation caused by smoke limitation
- U0100 Timeout Error of CAN-send-Frame ACK
- U0100 Timeout Error of CAN-Transmit-Frame AmbCon
- U0113 DLC Error of CAN-Receive-Frame AT11G1
- U0113 Timeout Error of CAN-Receive-Frame AT11G1
- U0113 DFC for AT11GC1Rx Frame Timeout Error
- U0113 DFC for AT11GC2Rx Frame Timeout error
- U0113 DLC Error of CAN-Receive-Frame AT10G1
- U0113 Timeout Error of CAN-Receive-Frame AT10G1
- U0113 DFC for AT10GC1Rx Frame Timeout Error
- U0113 DFC for AT10GC2Rx Frame Timeout error
- U0107 Receive Time Out Error for DEC1 frame
- U0113 Acknowledgement message error for DM19Ds CAN message on exceeding the maximum limit of Ack message reception
- U0113 BAM to Packet Timeout for DM19Ds CAN message
- U0113 BAM Timeout for DM19Ds CAN message
- U0113 Packet to Packet Timeout for DM19Ds CAN message
- U0113 Acknowledgement message error for DM19Us CAN message on exceeding the maximum limit of Ack message reception
- U0113 BAM to Packet Timeout for DM19Us CAN message
- U0113 BAM Timeout for DM19Us CAN message
- U0113 Packet to Packet Timeout for DM19Us CAN message

- U0113 Timeout for BAM to Packet
- U0113 Timeout for Packet to packet
- P1400 Error path SPN1 matching of DM1DCU message
- P1401 Error path SPN2 matching of DM1DCU message
- P1402 Error path SPN3 matching of DM1DCU message
- P1403 Error path SPN4 matching of DM1DCU message
- P1404 Error path SPN5 matching of DM1DCU message
- P1405 Timeout for DM1DCU CAN message
- U0129 DFC for DLC Error of CAN-Receive-Frame EBC1
- U0129 Timeout Error of CAN-Receive-Frame EBC1
- U0100 Timeout Error of CAN-Transmit-Frame EEC1
- U0100 Timeout Error of CAN-Transmit-Frame EEC2
- U0100 Timeout Error of CAN-Transmit-Frame EEC3
- U0100 Timeout Error of CAN-Transmit-Frame EFL_P1
- U1100 External shut off request by Electronic Brake Controller 1 message (not a failure but an external shut off request)
- U0100 Timeout Error of CAN-Transmit-Frame EngTemp
- U0100 Timeout Error of CAN-Transmit-Frame ERC1
- U0103 DFC for DLC Error of CAN-Receive-Frame ETC1
- U0103 Timeout Error of CAN-Receive-Frame ETC1
- U0291 DFC for DLC Error of CAN-Receive-Frame ETC2
- U0291 Timeout Error of CAN-Receive-Frame ETC2
- U0108 Timeout Error of CAN-Receive-Frame ETC7
- P1617 Timeout Error of CAN-Transmit-Frame FanDrv
- U0100 Timeout Error of CAN-Transmit-Frame FIEco
- U0100 Timeout Error of CAN-Transmit-Frame INCON
- U0100 Timeout Error of CAN-Transmit-Frame FIC
- U0109 Timeout Error of CAN-Receive-Frame MFD1
- U0113 SAE J1939 error of Aftertreatment 1 Outlet Gas NOx Sensor New part deviation NOx Gain
- U0113 DFC SAE J1939 error of Aftertreatment 1 Inlet Gas NOx Sensor New part deviation NOx Gain
- U0113 SAE J1939 error of Aftertreatment 1 Outlet Gas NOx Sensor New Part deviation NOx Offset message.
- U0113 DFC SAE J1939 error of Aftertreatment 1 Inlet Gas NOx Sensor New Part deviation NOx Offset message.
- U0113 SAE J1939 error for Outlet Gas Nox sensor Correction of Lambda pressure message
- U0113 SAE J1939 error for Inlet Gas Nox sensor Correction of Lambda pressure message
- U0113 SAE J1939 error for Outlet Gas Nox sensor Correction of NOx pressure message
- U0113 SAE J1939 error for Inlet Gas Nox sensor Correction of NOx pressure message
- U0113 SAE J1939 error for Aftertreatment 1 outlet Nox sensor Heater Ratio message

U0113 SAE J1939 error for Aftertreatment 1 Inlet Nox sensor Heater Ratio message
 U0113 SAE J1939 error for Outlet Gas Nox sensor Correction of NH3 message
 U0113 SAE J1939 error for Inlet Gas Nox sensor Correction of NH3 message
 U0113 SAE J1939 error for Outlet Gas Nox sensor Correction of NO2 message
 U0113 SAE J1939 error for Inlet Gas Nox sensor Correction of NO2 message
 U0113 SAE J1939 error for Nox Concentration quantity message
 U0113 SAE J1939 error for Nox Concentration Upstream message
 U0113 DFC for Time out error for DM19 Downstream BAM message
 U0113 DFC for Time out error for DM19 Upstream BAM message
 U0113 SAE J1939 error for the Actual Oxidation factor Downstream message
 U0113 SAE J1939 error for Actual Oxidation factor message
 U0100 Timeout Error of Engine Retarder Configuration BAM message
 U0100 Timeout Error of Engine Retarder Configuration packet frame
 U0100 DFC for DLC Error of CAN-Receive-Frame RxCCVS
 U0104 Timeout Error of CAN-Receive-Frame RxCCVS
 U0113 DFC SAE J1939 error for Sensor Status Byte message(NOx signal)
 U0113 SAE J1939 for Sensor Status Byte Downstream sensor(NOx signal)
 U0113 DFC SAE J1939 error Sensor Status Byte message(O2 signal)
 U0113 SAE J1939 error for Sensor Status Byte Downstream (O2 signal)
 U0113 SAE J1939 error for Sensor Status Byte message(power signal)
 U0113 SAE J1939 error for Sensor Status Byte Downstream message(power signal)
 U0113 SAE J1939 Sensor for Status Byte Downstream message(temperature signal)
 U0113 DFC SAE J1939 error for Sensor Status Byte message(temperature signal)
 U0100 Timeout Error of CAN-Transmit-Frame ShutDown
 U0107 When the T50 status value received over CAN is 3
 U0100 DFC for DLC Error of CAN-Receive-Frame TCO1
 U0100 Timeout Error of CAN-Receive-Frame TCO1
 U1103 Timeout Error of CAN-Receive-Frame TI1
 U0101 DFC for DLC Error of CAN-Receive-Frame TimeDate
 U1101 Timeout Error of CAN-Receive-Frame TimeDate
 U0121 Active DFC TimeOut of TSC1AE Message
 U0121 Passive DFC TimeOut of TSC1AE Message
 U0121 DFC(Diagnostic Fault Check) for Active timeout of TSC1AR
 U0121 DFC(Diagnostic Fault Check) for Passive timeout of TSC1AR
 U0121 Active DFC TimeOut of TSC1DE Message
 U0121 Passive DFC TimeOut of TSC1DE Message
 U0121 DFC(Diagnostic Fault Check) for Active timeout of TSC1DR
 U0121 DFC(Diagnostic Fault Check) for Passive timeout of TSC1DR

U0121 Active DFC TimeOut of TSC1PE Message
 U0121 Passive DFC TimeOut of TSC1PE Message
 U0121 Active Time out for TSC1TE
 U0121 Passive Time out for TSC1TE
 U0121 DFC(Diagnostic Fault Check) for Active timeout of TSC1TR
 U0121 DFC(Diagnostic Fault Check) for Passive timeout of TSC1TR
 U0121 Active Time out for TSC1VE
 U0121 Passive Time out for TSC1VE
 U0121 DFC(Diagnostic Fault Check) for Active timeout of TSC1VR
 U0121 DFC(Diagnostic Fault Check) for Passive timeout of TSC1VR
 U0108 This DFC is set when Com_stTraEngCrkEna is 0
 U0121 DFC for DLC Error of CAN-Receive-Frame TSC1AE
 U0121 Timeout Error of CAN-Receive-Frame TSC1AE
 U0121 DFC for DLC(Data length check) Error of CAN-Receive-Frame TSC1AR
 U0121 DFC for timeout of CAN-Receive-Frame TSC1AR
 U0121 DFC for DLC Error of CAN-Receive-Frame TSC1DE
 U0121 Timeout Error of CAN-Receive-Frame TSC1DE
 U0121 DFC for DLC(Data length check) Error of CAN-Receive-Frame TSC1DR
 U0121 DFC for timeout of CAN-Receive-Frame TSC1DR
 U0121 DFC for DLC Error of CAN-Receive-Frame TSC1PE
 U0121 Timeout Error of CAN-Receive-Frame TSC1PE
 U0121 DFC for DLC Error of CAN-Receive-Frame TSC1TE
 U0121 Timeout Error of CAN-Receive-Frame TSC1TE
 U0121 DFC for DLC(Data length check) Error of CAN-Receive-Frame TSC1TR
 U0121 DFC for timeout of CAN-Receive-Frame TSC1TR
 U0121 DFC for DLC Error of CAN-Receive-Frame TSC1VE
 U0121 Timeout Error of CAN-Receive-Frame TSC1VE
 U0121 DFC for DLC(Data length check) Error of CAN-Receive-Frame TSC1VR
 U0121 DFC for timeout of CAN-Receive-Frame TSC1VR
 U0104 Timeout Error of CAN-TransmitFrame
 U1105 Timeout Error of CAN-Transmit-Frame TxPGNRQGlB.
 U0100 Timeout Error of CAN-Transmit-Frame TxPGNRQ.
 U0100 Timeout Error of CAN-Transmit-Frame UAA1
 U0100 Timeout Error of CAN-Transmit-Frame UAA2
 U0100 Timeout Error of CAN-Transmit-Frame UAA3
 U0100 Timeout Error of CAN-Transmit-Frame UAA4
 U0100 Timeout Error of CAN-Transmit-Frame UAA5
 U0100 Timeout Error of CAN-Transmit-Frame UAA6

- U0100 Timeout Error of CAN-Transmit-Frame UAA7
- U0100 Timeout Error of CAN-Transmit-Frame UAA8
- U0100 Timeout Error of CAN-Transmit-Frame VD
- U0100 Timeout Error of CAN-Transmit-Frame VEP1
- U1106 Timeout Error of CAN-Transmit-Frame WFI
- P1007 performance limiter is active
- P0575 Fault path which indicates the invalid combination of cruise control keys pressed
- P0607 Reported SPI and COM-Errors of a Cy146
- P0607 SPI/COM-Errors of the Cy320
- P0563 Powerstage diagnosis could be disabled due to high Battery voltage
- P0562 Powerstage diagnosis could be disabled due to low Battery voltage
- P1500 Diagnostic fault check for Plausibility of engine brake
- P2536 The error is set, if the CAN interface for Engine Compartment Stop Button Com_stEngCBtnStop= 0b11 as long as the applicable time DDRC_DurDeb.ECBtn_tiStopCANSigErrDebDef_C
- P2536 fault path for signal check of Engine Compartment stop Button
- P2536 The error is set, if the CAN interface for Engine Compartment Start Button Com_stEngCBtnStrt= 0b11 as long as the applicable time DDRC_DurDeb.ECBtn_tiStrtCANSigErrDebDef_C
- P2536 fault path for signal check of Engine Compartment start Button
- P0475 Open load error for ECRVlv
- P0475 Over Temperature error for ECRVlv
- P0478 Short circuit to battery error for ECRVlv
- P0477 Short circuit to ground error for ECRVlv
- P062F EEP Read Error based on the error for more blocks
- P062F EEP Read Error based on the error for more blocks
- P062F EEP Write Error based on the error for one block
- P0403 Current limited of EGR valve
- P0404 persistent governor deviation due to frozen actuator(EGR valve) at cold start
- P0401 EGR Valve Permanent positive governor deviation
- P0402 EGR Valve Permanent negative governor deviation
- P0401 Jammed EGR valve in closed state
- P0402 Jammed EGR valve in open state
- P0403 No load error for EGRVlv
- P0403 Over temperature error for EGR Valve powerstage
- P0403 Short circuit to battery error of EGR valve
- P0403 Short circuit to ground error of EGR valve
- P0409 loose connection or sporadic temporary errors of EGR valve
- P1008 Injection cut off demand (ICO) for shut off coordinator
- P0219 Overspeed detection in component engine protection

P1009	Indicates if a TMFW resonance shutoff condition is active
P100A	No load error on the engine speed output
P100C	Short circuit to battery error on the engine speed output
P100D	Short circuit to ground error on the engine speed output
U1401	CAN message of Environment pressure
P2229	SRC High for Environment Pressure
P2228	SRC low for Environment Pressure
P0071	DFC for environment temperature plausibility check function
P0073	SRC High for Environment Temperature
P0072	SRC Low for Environment Temperature
P0341	DFC for camshaft signal diagnose - disturbed signal
P0340	DFC for camshaft signal diagnose - no signal
P0340	DFC for camshaft offset angle exceeded
P0336	DFC for crankshaft signal diagnose - disturbed signal
P0335	DFC for crankshaft signal diagnose - no signal
P0475	No load error on low pressure exhaust flap
P0475	Over temperature error on low pressure exhaust flap
P0478	Short circuit to battery error on low pressure exhaust flap
P0477	Short circuit to ground error on low pressure exhaust flap
P0476	NPL error of Low pressure exhaust flap
P0475	status line signal error of low pressure exhaust flap
P0480	Over temperature error for DIO Fan1 powerstage
P0480	Over temperature error for DIO Fan2 powerstage
P0692	Short circuit to battery error for DIO Fan
P0692	Short circuit to battery error for DIO Fan
P0691	Short circuit to ground error of DIO fan1 powerstage
P0691	Short circuit to ground error of DIO fan1 powerstage
P0481	No load error for PWM Fan powerstage
P0481	Over temperature error for PWM Fan powerstage
P0694	Short circuit to battery error for PWM Fan
P0693	Short circuit to ground error of PWM fan powerstage
P0480	DFC for Fan speed signal long period
P0495	Fan speed signal range check high fault path
P0494	Fan speed signal range check low fault path
P0611	FBC(Fuel quantity Balancing Control) correction quantities at limitation for injector 1
P0611	FBC(Fuel quantity Balancing Control) correction quantities at limitation for injector 2
P0611	FBC(Fuel quantity Balancing Control) correction quantities at limitation for injector 3
P0611	FBC(Fuel quantity Balancing Control) correction quantities at limitation for injector 4

P0611 FBC(Fuel quantity Balancing Control) correction quantities at limitation for injector 5
P0611 FBC(Fuel quantity Balancing Control) correction quantities at limitation for injector 6
P1046 SRC high for fuel filter pressure sensor
P1047 SRC low for fuel filter pressure sensor
P1032 No load error in powerstage of fuel filter heating
P1033 Over Temperature error in powerstage of fuel filter heating
P1034 Short circuit to battery error in powerstage of fuel filter heating
P1035 Short circuit to ground error in powerstage of fuel filter heating
P2267 SRC High for water level sensor
P2266 SRC low for Water level sensor
P2269 water in Fuel Detection switch Error
P1048 DFC for fuel filter clogged
P1049 DFC for fuel filter clogged plausibility check function
P0460 fuel tank below critical level or danger of an air contaminated hydraulic system
P0183 SRC high for fuel temperature sensor
P0182 SRC low for fuel temperature sensor
P0181 DFC for fuel temperature plausibility check function
U1402 Check for error for CAN input of gear box
P0381 No load error for glow lamp powerstage
P0381 Over temperature error for glow lamp powerstage
P0381 Short circuit to battery error for glow lamp powerstage
P0381 Short circuit to ground error of glow lamp powerstage
P2213 fault detection of heater readiness sensor1
P2200 fault detection of heater readiness sensor2
P2213 DFC to monitor NOx signal validity of sensor 1
P2200 DFC to monitor NOx signal validity of sensor 2
P2214 DFC monitoring NOx signal dynamics sensor 1
P2216 DFC for Nox offset max error detection
P2201 DFC for Nox offset max error detection
P2215 DFC for Nox offset min error detection
P2201 DFC for Nox offset min error detection
P2216 signal range max check Nox?value sensor 1
P2201 signal range max check Nox?value sensor 2
P2215 signal range min check Nox?value sensor 1
P2201 signal range min check Nox?value sensor 2
P2213 monitoring open circuit NOx?sensor 1
P2200 monitoring open circuit NOx?sensor 2
P2213 monitoring short circuit NOx?value sensor 1

P2200 monitoring short circuit NOx?value sensor 2
P2200 Self diagnosis error detection based on the correction average value in NOx sensor 2
P2213 DFC of signal readiness of sensor 1
P2200 DFC of signal readiness of sensor 2
P2216 signal range max check binary lambda value sensor 1
P2200 signal range max check binary lambda value sensor 2
P2215 signal range min check binary lambda value sensor 1
P2200 signal range min check binary lambda value sensor 2
P2215 signal range max check linear lambda value sensor 1
P2200 signal range max check linear lambda value sensor 2
P2216 signal range min check linear lambda value sensor 1
P2200 signal range min check linear lambda value sensor 2
P2213 wire monitoring of the first NOx sensor 1
P2200 wire monitoring of the first NOx sensor 2
P0110 DFC for open load on power stage for intake air heater
P0110 DFC for over temperature on power stage for intake air heater
P0113 DFC for short circuit to battery on power stage for intake air heater
P0112 DFC for short circuit to ground on power stage for intake air heater
P100E Number of injections is limited by charger balance of booster capacity
P100F Number of injections is limited by quantity balance of high pressure pump
P1010 Number of injections is limited by system
P1011 Number of injections is limited by runtime
P0A0F check of engine starting problems
P0087 check of minimum rail pressure
P062B check of missing injector adjustment value programming of logical injector 1
P062B check of missing injector adjustment value programming of logical injector 2
P062B check of missing injector adjustment value programming of logical injector 3
P062B check of missing injector adjustment value programming of logical injector 4
P062B check of missing injector adjustment value programming of logical injector 5
P062B check of missing injector adjustment value programming of logical injector 6
P062D short circuit of injection bank1
P062E short circuit of injection bank2
P062B CY33X is defect
P0201 open load of logical injector 1
P0205 open load of logical injector 2
P0203 open load of logical injector 3
P0206 open load of logical injector 4
P0202 open load of logical injector 5

P0204 open load of logical injector 6

P0263 special pattern for special cases of logical injector 1

P0275 special pattern for special cases of logical injector 2

P0269 special pattern for special cases of logical injector 3

P0278 special pattern for special cases of logical injector 4

P0266 special pattern for special cases of logical injector 5

P0272 special pattern for special cases of logical injector 6

P0262 general short circuit logical injector 1

P0274 general short circuit logical injector 2

P0268 general short circuit logical injector 3

P0277 general short circuit logical injector 4

P0265 general short circuit logical injector 5

P0271 general short circuit logical injector 6

P0261 short circuit Low Side to High Side logical injector 1

P0273 short circuit Low Side to High Side logical injector 2

P0267 short circuit Low Side to High Side logical injector 3

P0276 short circuit Low Side to High Side logical injector 4

P0264 short circuit Low Side to High Side logical injector 5

P0270 short circuit Low Side to High Side logical injector 6

P062D Time out of SCG measurement of injection bank 1

P062E Time out of SCG measurement of injection bank 2

P1581 short circuit to ground monitoring test in Bank 1

P1582 short circuit to ground monitoring test in Bank 2

P251C PTO switch Max error

P0251 Intermittent contact between ECU and MeUn

P0251 open load of metering unit output

P0252 over temperature of device driver of metering unit

P0254 DFC of a short circuit to battery in the high side of the metering unit

P0253 DFC of a short circuit to ground in the high side of the metering unit

P0254 DFC of a short circuit to battery in the low side of the metering unit

P0253 DFC of a short circuit to ground in the low side of the metering unit

P0254 signal range check high error of metering unit AD-channel

P0253 signal range check low error of metering unit AD-channel

P0650 No load error for MIL lamp powerstage

P0650 Over temperature error for MIL lamp powerstage

P0650 Short circuit to battery error for MIL lamp powerstage

P0650 Short circuit to ground error of MIL lamp powerstage

P251B PTO switch Min error

P2201	NOx offset min error detection of downstream Nox sensor
P253E	PTO switch NPL error
P1021	Potential Long Term error
P1022	Potential Long Term error
P1023	Potential Long Term error
P1024	Potential Long Term error
P1025	Potential Long Term error
P1026	Potential Long Term error
P1027	Potential Long Term error
P1028	Potential Long Term error
P1029	Potential Long Term error
P102A	Potential Long Term error
P102B	Potential Long Term error
P102C	Potential Long Term error
P102D	Potential Long Term error
P102E	Potential Long Term error
P102F	Potential Long Term error
P1030	Potential Long Term error
P060C	Diagnostic fault check to report WDA active due to errors in query-/response communication of control unit
P060C	Diagnostic fault check to report ABE active due to undervoltage detection of control unit
P060C	Diagnostic fault check to report ABE active due to overvoltage detection of control unit
P060C	Diagnostic fault check to report WDA/ABE active due to unknown reason of control unit
P250D	Maximum signal error of oil level sensor
P250C	Minimum signal error of oil level sensor
P250B	Plausibility Check of oil level sensor
P160B	DFC for open load error of oil pressure lamp
P160C	DFC for over temperature error of oil pressure lamp
P160D	DFC for short circuit to battery error of oil pressure lamp
P160E	DFC for short circuit to ground error of oil pressure lamp
P0524	DFC for minimum oil pressure from digital sensor
P0521	DFC for plausibility test in case of digital sensor of oil pressure sensor
P0523	Maximum oil pressure error in plausibility check
P0524	Minimum oil pressure error in plausibility check
P0520	Signal error on CAN for oil pressure sensor
P0523	SRC high for oil pressure sensor
P0522	SRC low for Oil pressure sensor
P0196	Oil temperature too high plausibility error

- U1403 Signal error on CAN for Oil Temperature
- P0197 SRC low for Oil Temperature
- P0196 DFC for oil temperature plausibility check
- P2263 PCR positive governor deviation above limit
- P2263 PCR negative governor deviation below limit
- P1031 Not plausible fault: PhyMod_trq2qBas_MAP contains non strictly monotonous q curves
- P006D Plausibility Check for air pressure at the upstream of intake valve sensor
- P006D Plausibility Check for air pressure at the upstream of intake valve sensor
- P0238 Diagnostic fault check for SRC high in air pressure upstream of intake valve sensor
- P0237 Diagnostic fault check for SRC low in air pressure upstream of intake valve sensor
- P0089 pressure relief valve reached maximum allowed opening count
- P0089 pressure relief valve is forced to open; perform pressure increase
- P0089 pressure relief valve is forced to open; perform pressure shock
- P0089 pressure relief valve is open
- P1036 Quantity balance check if a successful PRV opening is ensured
- P1037 Averaged rail pressure is outside the expected tolerance range
- P0089 pressure relief valve reached maximum allowed open time
- P060C Reported MSC-Errors of a R2S2
- P0251 maximum positive deviation of rail pressure exceeded
- P0251 DFC for high pressure pump delivery quantity exceeds the plausibility limit of the volume flow balance
- P0251 maximum negative rail pressure deviation with metering unit on lower limit is exceeded
- P0251 DFC for negative governor deviation at zero delivery(second stage)
- P0087 minimum rail pressure exceeded
- P0088 maximum rail pressure exceeded
- P0088 DFC for maximum rail pressure(second stage)
- P1050 Error detection by metering unit set value in overrun
- P0251 Plausibility check of the volume flow of the metering unit at low idle
- P0194 Rail pressure raw value is intermittent
- P0191 rail pressure raw value is above maximum offset
- P0191 rail pressure raw value is below minimum offset
- P0088 Monitoring for maximum rail pressure in limp home mode with PRV
- P0088 Monitoring for minimum injection quantity during limp home mode with PRV
- P0088 Monitoring for high fuel temperature during limp home mode with PRV
- P0193 Rail pressure Sensor voltage above upper limit
- P0192 Rail pressure Sensor voltage below lower limit
- P203B DFC for the adjustment of the dosing quantity gets incorrect after a refill of reducing agent
- P3051 SCR system Longterm adaption factor exceeds threshold
- P3052 SCR system Longterm adaption factor below threshold

P0420	SCR system efficiency error
P0420	SCR system efficiency exceeds 5.0g/KWh error
P0420	SCR system efficiency exceeds 7.0g/KWh error
P2214	DFC for peak plausibility check for NOx sensor downstream of SCR Catalyst
P2214	DFC for Stuck in range error check for NOx sensor downstream of SCR Catalyst
P2201	DFC for plausibility error Max for NOx sensor upstream of SCR Catalyst
P2201	DFC for plausibility error Min for NOx sensor upstream of SCR Catalyst
P3042	Monitoring of the time until the dosing release is given for SCR system (it's used only for CARB OBD)
P3065	DFC for Monitoring of the SCR fill level governor HD
P3050	General backflow line plausibility error of DNOx system
P3053	General pressure check error of DNOx system
P3054	Pressure stabilisation error of DNOx system
P3039	Monitoring of Metering Control Malfunction Max error of DNOx system
P3056	Monitoring of Metering Control Malfunction Min error of DNOx system
P3039	Monitoring of over pressure of DNOx system
P3040	Monitoring of Pressure Build Up Malfunction Max of DNOx system
P2043	Error Urea tank temperature is overheated
P0426	Error SCR catalyst upstream temperature sensor plausibility max threshold
P0426	Error SCR catalyst upstream temperature sensor plausibility min threshold
P0426	Error SCR catalyst upstream temperature sensor static plausibility
P2047	Dosing Valve is blocked
P2047	Diagnostic fault check for functional response of urea dosing valve at low voltage
P3066	Urea tank sensor indicates too high fill level
P3067	Urea tank sensor indicates too low fill level
P3014	Defective pressure reduction
P3007	DFC is set in case the measurement value above the upper tolerable limit
P3007	DFC is set in case the measurement value below the lower tolerable limit
P3057	Error supply module heater plausibility
P3058	Error urea supply module heater temperature sensor dynamic plausibility
P3059	Error urea supply module heater temperature sensor cold start plausibility
P3060	Error urea supply module temperature sensor dynamic plausibility
P3061	Error urea supply module temperature sensor cold start plausibility
P203B	Stuck in range check of Urea tank temperature sensor
U1404	PTO switch signal error (Com_stPTOSw=0x0E when PTOSwt_swtSig_C = 1)
P204E	Diagnostic fault check for signal errors from CAN
P0123	Signal Range Check High for APP1
P0223	Signal Range Check High for APP2
P1501	Signal Range Check High for RmtAPP1

P1502	Signal Range Check High for RmtAPP2
P0122	Signal Range Check Low for APP1
P0222	Signal Range Check Low for APP2
P1503	Signal Range Check Low for RmtAPP1
P1504	Signal Range Check Low for RmtAPP2
P204D	Diagnostic fault check when the signal is above the maximum limit
P203D	DFC for SRC high error of the urea tank level sesnor
P204C	Diagnostic fault check when the signal is below the minimum limit
P203C	DFC for SRC low error of the urea tank level sesnor
P0643	Error Sensor supplies 1
P0653	Error Sensor supplies 2
P0699	Error Sensor supplies 3
P1602	Monitoring of 12V sensor supply 1 SRC_HIGH Error
P1603	Monitoring of 12V sensor supply 1 SRC_LOW Error
P1602	Monitoring of 12V sensor supply SRC_HIGH Error
P1603	Monitoring of 12V sensor supply SRC_LOW Error
P060C	Timer error of stop counter
P160F	DFC for open load error on the output powerstage for stop lamp
P1610	DFC for over temperature error on the output powerstage for stop lamp
P1611	DFC for short circuit to battery error on the output powerstage for stop lamp
P1612	DFC for short circuit to ground error on the output powerstage for stop lamp
P0615	No load error for starter
P0615	Over temperature error on ECU powerstage for Starter
P0617	Short circuit to battery error for Starter
P0616	Short circuit to ground error of starter output
P1604	No load error for SVS lamp powerstage
P1605	Over temperature error for SVS lamp powerstage
P1606	Short circuit to battery error of SVS lamp powerstage
P1607	Short circuit to ground error of SVS lampe powerstage
P1608	SoftwareResets 0
P1609	SoftwareResets 1
P160A	SoftwareResets 2
P2135	Plausibility Check between APP1 and APP2
P2135	Diagnostic fault check of synchronism for double potentiometer and Low idle switch(LIS)
P1505	Diagnostic fault check of synchronism of both remote acceleration pedal signals
P2530	Defective T50 switch
P0113	SRC high for air temperature sensor of HFM
P0112	SRC low for air temperature sensor of HFM

P0113 SRC high for period duration of air temperature sensor of HFM
P0112 SRC low for period duration of air temperature sensor of HFM
P0099 Signal error for charger air cooler downstream Temperature
P0098 SRC High for charger air cooler downstream Temperature
P0097 SRC low for charger air cooler downstream Temperature
P0096 chargerd Air Cooler Temperature down stream plausibility check error
P0669 SRC high for ECU temperature sensor
P0668 SRC low for ECU temperature sensor
P2100 Current limited for throttle valve
P2108 DFC for valve drift at closed position of TVA valve
P2108 DFC for valve drift at open position of TVA valve
P2108 DFC for Range drift of TVA valve
P2112 Throttle valve governor deviation in Cold Start
P2112 Permanent governor deviation for throttle valve
P2111 Permanent governor deviation for throttle valve
P2112 Jammed valve closed of throttle valve
P2111 Jammed valve open of throttle valve
P2108 DFC for long time valve drift at closed position of TVA valve
P2108 DFC for long time valve drift at open position of TVA valve
P2100 No load error for powerstage on CJ945 for throttle valve
P2101 Over temperature error on CJ945 for throttle valve
P2101 DFC for throttle valve position sensor physical SRC high
P2101 DFC for throttle valve position sensor physical SRC low
P2103 Short circuit to battery error for powerstage on CJ945 for throttle valve
P2102 Short circuit to ground error for powerstage on CJ945 for throttle valve
P2108 DFC for short time valve drift at closed position of TVA valve
P2108 DFC for short time valve drift at open position of TVA valve
P2622 SRC high for throttle valve position sensor value
P2621 SRC low for throttle valve position sensor value
P2620 Fault code for temporary errors for throttle valve
P0113 Diagnostic fault check for SRC high in engine inlet valve air temperature upstream sensor
P0112 Diagnostic fault check for SRC low in engine inlet valve air temperature upstream sensor
P0045 No load error for turbo charger powerstage
P0049 Error path for monitoring of Turbocharger overspeed
P0045 Over temperature error for turbo charger powerstage
P0048 Short circuit to battery error of turbo charger powerstage
P0047 Short circuit to ground error of turbo charger powerstage
P0428 SRC high for Urea catalyst downstream temperature sensor

- P0427 SRC low for Urea catalyst downstream temperature sensor
- P042D Physical Range Check high for turbine upstream temperature sensor
- P042C Physical Range Check low for turbine upstream temperature sensor
- U0113 Signal error for CAN message of SCR catalyst upstream temperature sensor
- P042D SRC high for Urea catalyst upstream temperature sensor
- P042C SRC low for Urea catalyst upstream temperature sensor
- P203F low Status of urea tank level
- P2049 Current at the end of injection phase exceeds max threshold of urea dosing valve actuator
- P3009 Over temperature error on powerstage of Urea dosing valve actuator
- P2049 DFC for short circuit to battery error on lowside switch of Urea dosing valve actuator
- P2049 DFC for short circuit to battery or open load error on highside swith of Urea dosing valve actuator
- P2048 DFC for short circuit to ground or open load error on lowside swith of Urea dosing valve actuator
- P2047 DFC for short circuit error on highside swith of Urea dosing valve actuator
- P3025 Pressure line heater error and the tank temperature falls below the defreezing value error
- P3083 DFC for Open Load to Ground error of Urea Heater Relay 2
- P3084 DFC for a short circuit to ground or open load of urea heater relay circuit 2
- P3074 DFC for Open Load to Ground error of Urea Heater Relay 3
- P3075 DFC for a short circuit to ground or open load of urea heater relay circuit 3
- P3070 DFC for Open Load to Ground error of Urea Heater Relay 4
- P3071 DFC for a short circuit to ground or open load of urea heater relay circuit 4
- P3079 DFC for Open Load to Ground error of Urea Heater Relay 5
- P3080 DFC for a short circuit to ground or open load of urea heater relay circuit 5
- P3077 DFC for short circuit to battery diagnostics
- P3069 DFC for ADC Plausibility error of BL heater feedback
- P3021 DFC for Open Load error of Urea Backflow Line Heater Actuator powerstage
- P3072 DFC for Over Temperature error of Urea Backflow Line Heater Actuator powerstage
- P3023 DFC for Short Circuit to Battery of Urea Backflow Line Heater Actuator powerstage
- P3022 DFC for Short Circuit to Ground of Urea Backflow Line Heater Actuator powerstage
- P3073 DFC for ADC Plausibility error of PL heater feedback
- P3024 DFC for Open Load error of Urea Pressure Line Heater Actuator powerstage
- P3076 DFC for Over Temperature error of Urea Pressure Line Heater Actuator powerstage
- P3027 DFC for Short Circuit to Battery of Urea Pressure Line heater Actuator powerstage
- P3026 DFC for Short Circuit to Ground of Urea Pressure Line Heater Actuator powerstage
- P3043 DFC for Open Load error of External Urea Heater Relay
- P3044 Over temperature error on powerstage for External Urea Heater Relay
- P3045 DFC for Short Circuit to Battery error of External Urea Heater Relay
- P3046 DFC for Short Circuit to Ground error of External Urea Heater Relay
- P3078 DFC for ADC Plausibility error of SL heater feedback

P3028	DFC for Open Load error of Urea Suction Line Heater Actuator powerstage
P3081	DFC for Over Temperature error of Urea Suction Line Heater Actuator powerstage
P3032	DFC for Short Circuit to Battery of Urea Suction Line Heater Actuator powerstage
P3031	DFC for Short Circuit to Ground of Urea Suction Line Heater actuator powerstage
P3082	DFC for ADC Plausibility error of SM heater feedback
P3033	DFC for Open Load error of Urea Supply Module Heater Actuator powerstage
P3085	DFC for Over Temperature error of Urea Supply Module Heater Actuator powerstage
P3037	DFC for Short Circuit to Battery of Urea Supply Module Heater Actuator powerstage
P3036	DFC for Short Circuit to Ground of Urea Supply Module Heater Actuator powerstage
P3016	DFC for Open Load error of Urea Tank Heater Actuator powerstage
P3018	DFC for Over Temperature error of Urea Tank Heater Actuator powerstage
P3020	DFC for Short Circuit to Battery of Urea Tank Heater Actuator powerstage
P3019	DFC for Short Circuit to Ground of Urea Tank Heater Actuator powerstage
P2043	DFC for Pump Motor Communication Receive Fail
P3001	Urea Pump Motor Speed Deviation
P3086	Permanent Urea Pump Motor Speed Deviation
P3006	No load error on powerstage for urea pump motor
P3003	Over temperature error on powerstage for urea pump motor
P3038	DFC for Pumpmotor internal Duty cycle above maximum range
P2062	DFC for Pumpmotor internal Duty cycle below minimum range
P3029	DFC for Supply Heater Module temperature Duty cycle above maximum range
P3029	DFC for Supply Heater Module temperature Duty cycle below minimum range
P2062	DFC for Pumpmotor speed Duty cycle above maximum range
P3002	DFC for Pumpmotor speed Duty cycle below minimum range
P3029	DFC for Supply Module temperature Duty cycle above maximum range
P3029	DFC for Supply Module temperature Duty cycle below minimum Range
P3004	Short circuit to battery error on powerstage for urea pump motor
P3005	Short circuit to ground error on powerstage for urea pump motor
P3047	OL error of the PWM output high side power stage of the Urea back flow pump
P3048	DFC for an over temperature error at the PWM output high side power stage of the Urea back flow pump
P3049	SCB error of the PWM output high side power stage of the Urea back flow pump
P3050	SCG error of the PWM output high side power stage of the Urea back flow pump
P3010	OL error of the PWM output power stage of the Urea back flow pump
P3011	DFC for an overt emperature error at the PWM output power stage of the Urea back flow pump
P3013	SCB error of the PWM output power stage of the Urea back flow pump
P3012	SCG error of the PWM output power stage of the Urea back flow pump
P203D	Error of Urea Tank Level Sensor with Physical Range Check high

- P203C Error of Urea Tank Level Sensor with Physical Range Check low
- P205D Diagnostic Fault Check for Physical Signal above maximum limit
- P205C Diagnostic Fault Check for Physical Signal below minimum limit
- P205A Signal error for CAN message of urea temperature
- P205D SRC high for Urea temperature sensor
- P205C SRC low for Urea temperature sensor
- P205B Error Urea Tank temperature sensor plausibility max error
- P205B Error Urea Tank temperature sensor plausibility min error
- U1405 Signal error for vehicle speed over CAN
- P0279 Maximum threshold error for vehicle speed
- P2162 NPL error for vehicle speed signal over Tachomter or hardware sensor
- P0501 Plausibility defect for vehicle speed
- P0503 signal level low error for vehicle speed signal over Tachomter or hardware sensor
- P0502 signal level low error for vehicle speed signal over Tachomter or hardware sensor
- P2158 Max error for vehicle speed signal over Tachomter sensor
- P2160 Min error for vehicle speed signal over Tachomter sensor
- P2161 Signal error for vehicle speed over Tachometer
- P1613 No load error of warning lamp
- P1614 over temperature error of warning lamp
- P1615 Short circuit to battery error of warning lamp
- P1616 Short circuit to ground error of warning lamp

1.1.7 DIESEL ENGINE SYSTEM (WP3Q) EURO V

- P0100 Battery Voltageerrorof Hfm Sensor
- P0101 DFC For Maximum Difference Plausibility Of Afs Drift Adjustment
- P0101 DFC For Plausibility Of Afs Drift Adjustment
- Low Idle Correction Factor Of The Drift Compensation Function Exceed The
- P0101 Maximum Drift Limit
- Load Correction Factor Of The Drift Compensation Function Exceed The Maximum
- P0101 Drift Limit
- P0101 Sensitivity Drift Higherrorfor Hfmsensor
- P0101 Sensitivity Drift Errorlowfor Hfmsensor
- P0103 Hardware Errordetectionfor Hfm Sensor
- P0103 SRC High Error For Raw Value In Hfm Sensor
- P0102 SRC low Errorfor Rawvalue In Hfm Sensor
- P0645 No Load Error On Power Stage For The Compressor
- P0645 Over Temperature Error On Powerstage For The Compressor

P0645 No Load Error On Power Stage For The Reduce Torque Instruction Compressor
Over Temperature Error On Powerstage For The Reduce Torque Instruction

P0645 Compressor
Short Circuit To Battery Error On Power Stage For The Reduce Torque

P0647 Instruction Compressor
Shortcircuit Toground Erroron Power Stage For The Reducetorque Instruction

P0646 Compressor

P0647 Shortcircuit Tobattery Erroron Power Stage For The Compressor

P0646 Short Circuit To Ground Error On Power Stage For The Compressor

U0424 Air Compressorswitch Plausibilityerrorfor CANinput

U0466 Air Compressorswitch Signalerrorfor Caninput

P0101 Positive Airtcl Governor Deviation Abovelimit For Regeneration

P0101 Negative Airtcl Governor Deviation Belowlimit For Regeneration

P0402 Air Control System Governor Deviation Above Limit

P0401 Air Control System Governor Deviation Below Limit

P0100 Error Path For Too Longtime Spent In Transtion Modergn Tonrm For Aircontrol

P2609 DFC For SRC High Error In Air Heater During Off

P2609 DFC For SRC Low Error In Air Heater During Off

P2609 DFC For SRC High Error In Air Heater During On

P2609 DFC For SRC Low Error In Air Heater During On

P2609 DFC For Grid Heater Always Switched On

P1000 Error Of The First Fresh Air Temperature Sensor At Cold Start

P1001 Error Of The First Fresh Air Temperature Sensor At Cold Start

P1002 Error Of The First Fresh Air Temperature Sensor At Cold Start

P1003 Error Of The First Fresh Air Temperature Sensor At Cold Start

P1004 Error Of The First Fresh Air Temperature Sensor At Cold Start
Event Of An Error In Case Of More Than One Fresh Air Temperature Sensor At

P1005 Cold Start

P0659 DFC For Short Circuit To Battery Of Actuator Relay With Index X=0

P2671 DFC For Short Circuit To Battery Of Actuator Relay With Index X=1

P2686 DFC For Short Circuit To Battery Of Actuator Relay With Index X=2

P0658 DFC For Short Circuit To Ground Of Actuator Relay With Index X=0

P2670 DFC For Short Circuit To Ground Of Actuator Relay With Index X=1

P2685 DFC For Short Circuit To Ground Of Actuator Relay With Index X=2

P0563 Signal Range Check High Error For Battery Votage Sensor

P0562 Signal Range Check Low Error For Battery Votage Sensor

P0563 SRC High For Battery Voltage Sensor

P0562 SRC Low For Battery Voltage Sensor

P0504 DFC For Non Plausibility Of Brake Status
P0504 Cruise Control Release Failure
P0504 Plausibilitycheck For Brake
P0504 DFC For Non Plausibility Of Brake Status (In Single Brake System)
P0571 Sig Error For Brake
U0073 Diagnostic Fault Check Of Detection Of Error-Passive On CAN A
U0073 Diagnostic Fault Check Of Detection Of Error-Passive On CAN B
U0073 Diagnostic Fault Check Of Detection Of Error-Passive On CAN C
U0073 Diagnostic Fault Check Of Detection Of Error-Passive On CAN D
U0073 Diagnostic Fault Check Of Detection Of Bus Off On CAN A
U0073 Diagnostic Fault Check Of Detection Of Bus Off On CAN B
U0073 Diagnostic Fault Check Of Detection Of Bus Off On CAN C
U0073 Diagnostic Fault Check Of Detection Of Bus Off On CAN D
P0116 Defect Fault Check For Coolant Temperature Absolute Plausibility Test
P0116 Defect Fault Check For Coolant Temperature Dynamic Plausibility Test
U0116 CAN Signal Error Of Engine Coolant Temperature (Down Stream)
P0118 SRC High For Engine Coolant Temperature (Down Stream)
P0117 SRC low For Engine Coolant Temperature (Down Stream)
P0116 Engine Coolant Temperature Plausibility Check
P0704 Plausibilitycheck For Clutch
U1400 Cansignal Error For Clutch
P1038 Torque Limitation Caused By Turbo Charger Protection
P1039 Torque Limitation Caused By Engine Protection
P1040 Torque Limitation Caused By Injection System
P1006 Working Limitation Information
P1041 Torque Limitation Caused By Engine Brake
P1042 Torque Limitation Caused By Particulate Filter
P1043 Torque Limitation Caused By Performance Limiter
P1044 Torque Limitation Caused By Smoke Limitation
U0100 Timeout Error Of CAN-Send-Frame ACK
U0100 Timeout Error Of CAN-Transmit-Frame Ambcon
U0113 Dlcerror Of CAN-Receive-Frame At1Ig1
U0113 Timeout Error Of CAN-Receive-Frame At1Ig1
U0113 DFC For At1Ig1 NOX Frame Timeout Error
U0113 DFC For At1Ig2 NOX Frame Timeout Error
U0113 Dlcerror Of CAN-Receive-Frame At10g1
U0113 Timeout Error Of CAN-Receive-Frame At10g1
U0113 DFC For At10gc1 NOX Frame Timeout Error

U0113 DFC For At10gc2 NOX Frame Timeout Error
 U0107 Receive Time Out Error For Decl Frame
 Acknowledgement Message Error For DM19 Ds CAN Message On Exceeding The
 U0113 Maximum Limit Of ACK Message Reception
 U0113 BAM To Packet Timeout For DM19 Ds CAN Message
 U0113 BAM To Packet Timeout For DM19 Ds CAN Message
 U0113 Packet To Packet Timeout For DM19 Ds CAN Message
 Acknowledgement Message Error For DM19 Us CAN Message On Exceeding The
 U0113 Maximum Limit Of ACK Message Reception
 U0113 BAM To Packet Timeout For DM19 Us CAN Message
 U0113 BAM To Packet Timeout For DM19 Us CAN Message
 U0113 Packet To Packet Timeout For DM19 Us CAN Message
 U0113 Timeout For BAM To Packet
 U0113 Timeout For BAM To Packet
 P1400 Error Path Spn2 Matching Of DM1 DCU Message
 P1401 Error Path Spn2 Matching Of DM1 DCU Message
 P1402 Error Path Spn2 Matching Of DM1 DCU Message
 P1403 Error Path Spn2 Matching Of DM1 DCU Message
 P1404 Error Path Spn2 Matching Of DM1 DCU Message
 P1405 Timeout For DM1 DCU CAN Message
 U0129 DFC For Dlc Error Of CAN-Receive-Frame EBC1
 U0129 Timeout Error Of CAN-Receive-Frame EBC1
 U0100 Timeout Error Of CAN-Transmit-Frame EEC1
 U0100 Timeout Error Of CAN-Transmit-Frame EEC2
 U0100 Timeout Error Of CAN-Transmit-Frame EEC3
 U0100 Timeout Error Of CAN-Transmit-Frame EFL_P1
 External Shut Off Request By Electronic Brake Controller 1 Message (Not A
 U1100 Failure But An External Shut Off Request)
 U0100 Timeout Error Of CAN-Transmit-Frame Engtemp
 U0100 Timeout Error Of CAN-Transmit-Frame ERC1
 U0103 DFC For Dlc Error Of CAN-Receive-Frame ETC1
 U0103 Timeout Error Of CAN-Receive-Frame ETC1
 U0291 DFC For Dlc Error Of CAN-Receive-Frame ETC2
 U0291 Timeout Error Of CAN-Receive-Frame ETC2
 U0108 Timeout Error Of CAN-Receive-Frame ETC7
 P1617 Timeout Error Of CAN-Transmit-Frame Fandrv
 U0100 Timeout Error Of CAN-Transmit-Frame FLEco
 U0100 Timeout Error Of CAN-Transmit-Frame Incon

U0100 Timeout Error Of CAN-Transmit-Frame Flc
 U0109 Timeout Error Of CAN-Receive-Frame Mfd1
 SAE J1939 Error Of Aftertreatment 1 Outlet Gas NOX Sensor New Part Deviation
 U0113 NOX Gain
 DFC SAE J1939 Error Of Aftertreatment 1 Inlet Gas NOX Sensor New Part
 U0113 Deviation NOX Gain
 SAE J1939 Error Of Aftertreatment 1 Outlet Gas NOX Sensor New Part Deviation
 U0113 NOX Offset Message.
 DFC SAE J1939 Error Of Aftertreatment 1 Inlet Gas NOX Sensor New Part
 U0113 Deviation NOX Offset Message.
 SAE J1939 Error For Outlet Gas NOX Sensor Correction Of Lambda Pressure
 U0113 Message
 U0113 SAE J1939 Error For Inlet Gas NOX Sensor Correction Of Lambda Pressure Message
 U0113 SAE J1939 Error For Outlet Gas NOX Sensor Correction Of NOX Pressure Message
 U0113 SAE J1939 Error For Inlet Gas NOX Sensor Correction Of NOX Pressure Message
 U0113 SAE J1939 Error For Aftertreatment 1 Outlet NOX Sensor Heater Ratio Message
 U0113 SAE J1939 Error For Aftertreatment 1 Inlet NOX Sensor Heater Ratio Message
 U0113 SAE J1939 Error For Outlet Gas NOX Sensor Correction Of Nh3 Message
 U0113 SAE J1939 Error For Inlet Gas NOX Sensor Correction Of Nh3 Message
 U0113 SAE J1939 Error For Outlet Gas NOX Sensor Correction Of No2 Message
 U0113 SAE J1939 Error For Inlet Gas NOX Sensor Correction Of No2 Message
 U0113 SAE J1939 Error For NOX Concentration Quantity Message
 U0113 SAE J1939 Error For NOX Concentration Upstream Message
 U0113 DFC For Time Out Error For DM19 Downstream BAM Message
 U0113 DFC For Time Out Error For DM19 Upstream BAM Message
 U0113 SAE J1939 Error For The Actual Oxidation Factor Downstream Message
 U0113 SAE J1939 Error For Actual Oxidation Factor Message
 U0100 Timeout Error Of Engine Retarder Configuration BAM Message
 U0100 Timeout Error Of Engine Retarder Configuration Packet Frame
 U0100 DFC For Dlc Error Of CAN-Receive-Frame NOX ccvs
 U0104 Timeout Error Of CAN-Receive-Frame NOX ccvs
 U0113 DFC SAE J1939 Error For Sensor Status Byte Message (NOX Signal)
 U0113 SAE J1939 For Sensor Status Byte Downstream Sensor (NOX Signal)
 U0113 DFC SAE J1939 Error Sensor Status Byte Message (O2 Signal)
 U0113 SAE J1939 Error For Sensor Status Byte Downstream (O2 Signal)
 U0113 SAE J1939 Error For Sensor Status Byte Message (Power Signal)
 U0113 SAE J1939 Error For Sensor Status Byte Downstream Message (Power Signal)
 U0113 SAE J1939 Sensor For Status Byte Downstream Message (Temperature Signal)

U0113 DFC SAE J1939 Error For Sensor Status Byte Message (Temperature Signal)
U0100 Timeout Error Of CAN-Transmit-Frame Shutdwn
U0107 When The T50 Status Value Received Over CAN Is 3
U0100 DFC For Dlc Error Of CAN-Receive-Frame Tcol
U0100 Timeout Error Of CAN-Receive-Frame Tcol
U1103 Timeout Error Ofcan-Receive-Frame Til
U0101 DFC For Dlc Error Of CAN-Receive-Frame Timedate
U1101 Timeout Error Of CAN-Receive-Frame Timedate
U0121 Active DFC Timeout Of TSC1 AE Message
U0121 Passive DFC Timeout Of TSC1 AE Message
U0121 DFC (Diagnostic Fault Check) For Active Timeout Of TSC1_AR
U0121 DFC (Diagnostic Fault Check) For Passive Timeout Of TSC1_AR
U0121 Active DFC Timeout Of TSC1De Message
U0121 Passive DFC Timeout Of TSC1De Message
U0121 DFC (Diagnostic Fault Check) For Active Timeout Of TSC1_DR
U0121 DFC (Diagnostic Fault Check) For Passive Timeout Of TSC1_DR
U0121 Active DFC Timeout Of TSC1Pe Message
U0121 Passive DFC Timeout Of TSC1Pe Message
U0121 Active Time Out For TSC1Te
U0121 Passive Time Out For TSC1Te
U0121 DFC (Diagnostic Fault Check) For Active Timeout Of TSC1Tr
U0121 DFC (Diagnostic Fault Check) For Passive Timeout Of TSC1Tr
U0121 Active Time Out For TSC1Ve
U0121 Passive Time Out For TSC1Ve
U0121 DFC (Diagnostic Fault Check) For Active Timeout Of TSC1Vr
U0121 DFC (Diagnostic Fault Check) For Passive Timeout Of TSC1Vr
U0108 This DFC Is Set When Com_Sttraengerckena Is 0
U0121 DFC For Dlc Error Of CAN-Receive-Frame TSC1 AE
U0121 Timeout Error Of CAN-Receive-Frame TSC1 AE
U0121 DFC For Dlc (Data Length Check) Error Of CAN-Receive-Frame TSC1_AR
U0121 DFC For Timeout Of CAN-Receive-Frame TSC1_AR
U0121 DFC For Dlc Error Of CAN-Receive-Frame TSC1De
U0121 Timeout Error Of CAN-Receive-Frame TSC1De
U0121 DFC For Dlc (Data Length Check) Error Of CAN-Receive-Frame TSC1_DR
U0121 DFC For Timeout Of CAN-Receive-Frame TSC1_DR
U0121 DFC For Dlc Error Of CAN-Receive-Frame TSC1Pe
U0121 Timeout Error Of CAN-Receive-Frame TSC1Pe
U0121 DFC For Dlc Error Of CAN-Receive-Frame TSC1Te

U0121 Timeout Error Of CAN-Receive-Frame TSC1Te
 U0121 DFC For Dlc (Data Length Check) Error Of CAN-Receive-Frame TSC1Tr
 U0121 DFC For Timeout Of CAN-Receive-Frame TSC1Tr
 U0121 DFC For Dlc Error Of CAN-Receive-Frame TSC1Ve
 U0121 Timeout Error Of CAN-Receive-Frame TSC1Ve
 U0121 DFC For Dlc (Data Length Check) Error Of CAN-Receive-Frame TSC1Vr
 U0121 DFC For Timeout Of CAN-Receive-Frame TSC1Vr
 U0104 Timeout Error Of CAN-Transmitframe
 U1105 Timeout Error Of CAN-Transmit-Frame Txpgnrqglb.
 U0100 Timeout Error Of CAN-Transmit-Frame Txpgnrq.
 U0100 Timeout Error Of CAN-Transmit-Frame Uaa1
 U0100 Timeout Error Of CAN-Transmit-Frame Uaa2
 U0100 Timeout Error Of CAN-Transmit-Frame Uaa3
 U0100 Timeout Error Of CAN-Transmit-Frame Uaa4
 U0100 Timeout Error Of CAN-Transmit-Frame Uaa5
 U0100 Timeout Error Of CAN-Transmit-Frame Uaa6
 U0100 Timeout Error Of CAN-Transmit-Frame Uaa7
 U0100 Timeout Error Of CAN-Transmit-Frame Uaa8
 U0100 Timeout Error Of CAN-Transmit-Frame Vd
 U0100 Timeout Error Of CAN-Transmit-Frame Vep1
 U1106 Timeout Error Of CAN-Transmit-Frame Wfi
 P1007 Performance Limiter Isactive
 Fault Path Which Indicates The Invalid Combination Of Cruise Control Keys
 P0575 Pressed
 P0607 Reported Spi And Com-Errors Of A CY146
 P0607 Spi/Com-Errors Of The Cy320
 P0563 Powerstage Diagnosis Could Be Disabled Due To High Battery Voltage
 P0562 Powerstage Diagnosis Could Be Disabled Due To Low Battery Voltage
 P1500 Diagnostic Fault Check For Plausibility Of Engine Brake
 The Error Is Set, If The CAN Interface For Engine Compartment Stop Button
 Com_Stengcbtnstop= 0B11 As Long As The Applicable Time
 P2536 Ddrc_Durdeb.Ecbtn_Tistopcansigerrdebdef_C
 P2536 Fault Path For Signal Checkof Engine Compartmentstop Button
 The Error Is Set, If The CAN Interface For Engine Compartment Start Button
 Com_Stengcbtnstrt= 0B11 As Long As The Applicable Time
 P2536 Ddrc_Durdeb.Ecbtn_Tistrtcansigerrdebdef_C
 P2536 Fault Path For Signal Check Of Engine Compartment Start Button
 P0475 Open Load Error For Ecrvlv

P0475 Over Temperature Error For Ecrvlv
P0478 Short Circuit To Battery Error For Ecrvlv
P0477 Short Circuit To Ground Error For Ecrvlv
P062F Eep Readerror Based Onthe Errorfor More Blocks
P062F Eep Read Error Based On The Error For More Blocks
P062F Eep Write Error Based On The Error For One Block
P0403 Current Limited Of EGR Valve
Persistent Governor Deviation Due To Frozen Actuator (EGR Valve) At Cold
P0404 Start
P0401 EGR Valve Permanent Positive Governor Deviation
P0402 EGR Valvepermanent Negative Governor Deviation
P0401 Jammed EGR Valve In Closed State
P0402 Jammed EGR valve In Open State
P0403 No Load Error For EGR vlv
P0403 Over Temperature Error For EGR Valve Powerstage
P0403 Short Circuit To Battery Error Of EGR Valve
P0403 Short Circuit To Ground Error Of EGR Valve
P0409 Loose Connection Or Sporadic Temporary Errors Of EGR Valve
P1008 Injection Cut Off Demand (Ico) For Shut Off Coordinator
P0219 Overspeed Detectionin Component Engine Protection
P1009 Indicates If Atmfw Resonance Shutoff Condition Is Active
P100A No Loaderror Onthe Engine Speed Output
P100B Over Temperature Erroronthe Engine Speed Output
P100C Shortcircuit Tobattery Erroron Theengine Speed Output
P100D Shortcircuit Toground Erroron The Engine Speed Output
U1401 CAN Message Of Environment Pressure
P2229 SRC high For Environment Pressure
P2228 Barometric Pressure Sensor Voltage Signal Below Lower Limit
P0071 DFC For Environment Temperature Plausibility Check Function
P0073 SRC High For Environment Temperature
P0072 SRC Low For Environment Temperature
P0341 DFC For Camshaft Signal Diagnose - Disturbed Signal
P0340 DFC For Camshaft Signal Diagnose - No Signal
P0340 DFC For Camshaftoffset Angle Exceeded
P0336 DFC For Crankshaftsignal Diagnose -Disturbed Signal
P0335 DFC For Crankshaft Signal Diagnose - No Signal
P0475 No Load Error On Low Pressure Exhaust Flap
P0475 Over Temperature Error On Low Pressure Exhaust Flap

P0478 Short Circuit To Battery Error On Low Pressure Exhaust Flap
P0477 Short Circuit To Ground Error On Low Pressure Exhaust Flap
P0476 Npl Error Of Low Pressure Exhaust Flap
P0475 Status Line Signal Error Of Low Pressure Exhaust Flap
P0480 No Loaderror For Diofan1 Powerstage
P0480 No Loaderror For Diofan2 Powerstage
P0480 Over Temperature Error For Dio Fan1 Powerstage
P0480 Over Temperatureerrorfor Dio Fan2 Powerstage
P0692 Short Circuit To Battery Error For Dio Fan
P0692 Shortcircuit Tobattery Errorfor Dio Fan
P0691 Short Circuit To Ground Error Of Dio Fan1 Powerstage
P0691 Shortcircuit Toground Errorof Diofan1 Powerstage
P0481 No Load Error For Pwm Fan Powerstage
P0481 Over Temperature Error For Pwm Fan Powerstage
P0694 Short Circuit To Battery Error For Pwm Fan
P0693 Short Circuit To Ground Error Of Pwm Fan Powerstage
P0480 DFC For Fan Speed Signal Long Period
P0495 Fan Speed Signal Range Check High Fault Path
P0494 Fan Speed Signal Range Check Low Fault Path
Fbc (Fuel Quantity Balancing Control) Correction Quantities At Limitation
P0611 For Injector 1
Fbc (Fuel Quantity Balancing Control) Correction Quantities At Limitation
P0611 For Injector 2
Fbc (Fuel Quantity Balancing Control) Correction Quantities At Limitation
P0611 For Injector 3
Fbc (Fuel Quantity Balancing Control) Correction Quantities At Limitation
P0611 For Injector 4
Fbc (Fuel Quantity Balancing Control) Correction Quantities At Limitation
P0611 For Injector 5
Fbc (Fuel Quantity Balancing Control) Correction Quantities At Limitation
P0611 For Injector 6
P1046 SRC High For Fuel Filter Pressure Sensor
P1047 SRC Low For Fuel Filter Pressure Sensor
P1032 No Load Error In Powerstage Of Fuel Filter Heating
P1033 Over Temperature Error In Powerstage Of Fuel Filter Heating
P1034 Short Circuit To Battery Error In Powerstage Of Fuel Filter Heating
P1035 Shortcircuit Toground Errorin Powerstage Of Fuelfilter Heating
P2267 SRC High For Water Level Sensor

P2266 SRC Low For Water Level Sensor
P2269 Water In Fuel Detection Switch Error
P1048 DFC For Fuel Filter Clogged
P1049 DFC For Fuel Filter Clogged Plausibility Check Function
Fuel Tank Below Critical Level Or Danger Of An Air Contaminated Hydraulic
P0460 System
P0183 SRC High For Fuel Temperature Sensor
P0182 SRC Low For Fuel Temperature Sensor
P0181 DFC For Fueltemperature Plausibilitycheck Function
U1402 Check For Errorfor Caninput Of Gearbox
P0381 No Loaderror For Glowlamp Powerstage
P0381 Over Temperatureerrorfor Glow Lamp Powerstage
P0381 Short Circuit To Battery Error For Glow Lamp Powerstage
P0381 Short Circuit To Ground Error Of Glow Lamp Powerstage
P2213 Fault Detection Of Heater Readiness Sensor1
P2200 Fault Detection Of Heater Readiness Sensor2
P2213 DFC To Monitor NOX Signal Validity Of Sensor 1
P2200 DFC To Monitor NOX Signal Validity Of Sensor 2
P2214 DFC Monitoring NOX Signal Dynamics Sensor 1
P2214 Upstream NOX Sensor Dynamic Value Below Lower Limit
P2216 DFC For NOX Offset Max Error Detection
P2215 DFC For NOX Offset Min Error Detection
P2216 Signal Range Max Check NOX Physical Value Sensor 1
P2201 Signal Range Max Check NOX Physical Value Sensor 2
P2215 Signal Range Min Check NOX Physical Value Sensor 1
P2201 Signal Range Min Check NOX Physical Value Sensor 2
P2213 Monitoring Open Circuit NOX Sensor 1
P2200 Monitoring Open Circuit NOX Sensor 2
P2213 Monitoring Short Circuit NOX Value Sensor 1
P2200 Monitoring Short Circuit NOX Value Sensor 2
Self Diagnosis Error Detection Based On The Correction Average Value In NOX
P2200 Sensor 2
P2213 DFC Of Signal Readiness Of Sensor 1
P2200 DFC Of Signal Readiness Of Sensor 2
P2216 Signal Range Max Check Binary Lambda Value Sensor 1
P2200 Signal Range Max Check Binary Lambda Value Sensor 2
P2215 Signal Range Min Check Binary Lambda Value Sensor 1
P2200 Signal Range Min Check Binary Lambda Value Sensor 2

P2215 Signal Range Max Check Linear Lambda Value Sensor 1
P2200 Signal Range Max Check Linear Lambda Value Sensor 2
P2216 Signal Range Min Check Linear Lambda Value Sensor 1
P2200 Signal Range Min Check Linear Lambda Value Sensor 2
P2213 Wire Monitoring Of The First NOX Sensor 1
P2200 Wire Monitoring Of The First NOX Sensor 2
P0110 DFC For Open Load On Power Stage For Intake Air Heater
P0110 DFC For Over Temperature On Power Stage For Intake Air Heater
P0113 DFC For Short Circuit To Battery On Power Stage For Intake Air Heater
P0112 DFC For Short Circuit To Ground On Power Stage For Intake Air Heater
P100E Number Of Injections Is Limited By Charger Balance Of Booster Capacity
P100F Number Of Injections Is Limited By Quantity Balance Of High Pressure Pump
P1010 Numberof Injections Is Limitedbysystem
P1011 Number Of Injections Is Limited By Runtime
P0A0F Check Of Engine Starting Problems
P0087 Check Of Minimum Rail Pressure
P062B Checkof Missinginjector Adjustmentvalue Programming Of Logicalinjector 1
P062B Checkof Missinginjector Adjustmentvalue Programming Of Logicalinjector 2
Check Of Missing Injector Adjustment Value Programming Of Logical Injector
P062B 3
Check Of Missing Injector Adjustment Value Programming Of Logical Injector
P062B 4
Check Of Missing Injector Adjustment Value Programming Of Logical Injector
P062B 5
Check Of Missing Injector Adjustment Value Programming Of Logical Injector
P062B 6
P062D Short Circuit Of Injection Bank1
P062E Short Circuit Of Injection Bank2
P062B Cy33X Is Defect
P0201 Open Load Of Logical Injector 1
P0205 Open Load Oflogical Injector 2
P0203 Open Load Of Logical Injector 3
P0206 Open Load Oflogical Injector 4
P0202 Open Load Of Logical Injector 5
P0204 Open Load Of Logical Injector 6
P0263 Special Pattern For Special Cases Of Logical Injector 1
P0275 Special Pattern For Special Cases Of Logical Injector 2
P0269 Special Pattern For Special Cases Of Logical Injector 3

P0278 Special Pattern For Special Cases Of Logical Injector 4
P0266 Special Pattern For Special Cases Of Logical Injector 5
P0272 Special Pattern For Special Cases Of Logical Injector 6
P0262 General Short Circuit Logical Injector 1
P0274 General Short Circuit Logical Injector 2
P0268 General Short Circuit Logical Injector 3
P0277 General Short Circuit Logical Injector 4
P0265 General Short Circuit Logical Injector 5
P0271 General Short Circuit Logical Injector 6
P0261 Short Circuit Low Side To High Side Logical Injector 1
P0273 Short Circuit Low Side To High Side Logical Injector 2
P0267 Short Circuit Low Side To High Side Logical Injector 3
P0276 Short Circuit Low Side To High Side Logical Injector 4
P0264 Short Circuit Low Side To High Side Logical Injector 5
P0270 Short Circuit Low Side To High Side Logical Injector 6
P062D Time Out Of Scg Measurement Of Injection Bank 1
P062E Time Out Of Scg Measurement Of Injection Bank 2
P1581 Short Circuit To Ground Monitoring Test In Bank 1
P1582 Short Circuit To Ground Monitoring Test In Bank 2
P251C Pto Switch Max Error
P0251 Intermittent Contact Between Ecu And Metering Unit
P0251 Open Load Of Metering Unit Output
P0252 Over Temperature Of Device Driver Of Metering Unit
P0254 DFC Of A Short Circuit To Battery In The High Side Of The Metering Unit
P0253 DFC Of A Short Circuit To Ground In The High Side Of The Metering Unit
P0254 DFC Of A Short Circuit To Battery In The Low Side Of The Metering Unit
P0253 DFC Of A Short Circuit To Ground In The Low Side Of The Metering Unit
P0254 Signal Range Check High Error Of Metering Unit Ad-Channel
P0253 Signal Range Check Low Error Of Metering Unit Ad-Channel
P0650 No Load Error For Mil Lamp Powerstage
P0650 Over Temperature Error For Mil Lamp Powerstage
P0650 Short Circuit To Battery Error For Mil Lamp Powerstage
P0650 Short Circuit To Ground Error Of Mil Lamp Powerstage
P251B Pto Switch Min Error
P060B Ecu Internal Diagnostic Error (Moc)
P060B Ecu Internal Diagnostic Error (Moc)
P060B Ecu Internal Diagnostic Error (Moc)
P060C Ecu Internal Diagnostic Error (Moc)

P060C Ecu Internal Diagnositic Error (Moc)
P060C Ecu Internal Diagnositic Error (Moc)
P060C Ecu Internal Diagnositic Error (Moc)
P060C Ecu Internal Diagnositic Error (Moc)
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P060C Ecu Internal Diagnositic Error (Moc)
P060C Ecu Internal Diagnositic Error (Moc)
P060C Ecu Internal Diagnositic Error (Moc)
P1012 Ecuinternal Diagnositic Error (Mof)
P1013 Ecuinternal Diagnositic Error (Mof)
P1014 Ecuinternal Diagnositic Error (Mof)
P1015 Ecuinternal Diagnositic Error (Mof)
P1016 Ecuinternal Diagnositic Error (Mof)
P1017 Ecuinternal Diagnositic Error (Mof)
P1018 Ecuinternal Diagnositic Error (Mof)
P1019 Ecuinternal Diagnositic Error (Mof)
P101A Ecuinternal Diagnositic Error (Mof)
P101A Ecuinternal Diagnositic Error (Mof)
P101B Ecuinternal Diagnositic Error (Mof)
P101C Ecuinternal Diagnositic Error (Mof)
P1045 Ecuinternal Diagnositic Error (Mof)
P101D Ecuinternal Diagnositic Error (Mof)
P101E Ecu Internal Diagnositic Error (Mon)
P101F Ecu Internal Diagnositic Error (Mon)
P1020 Ecu Internal Diagnositic Error (Mon)
P1600 Ecu Internal Diagnositic Error (Mon)
P1601 Ecu Internal Diagnositic Error (Mon)
P068A Main Relay Disconnected Too Early
P068B Main Relay Stuck
P2201 NOX Offset Max Error Detection Of Downstream NOX Sensor
P2201 NOX Offset Min Error Detection Of Downstream NOX Sensor
P253E Pto Switchnpl Error
P1021 Potential Long Term Error
P1022 Potential Long Term Error

P1023 Potential Long Term Error
P1024 Potential Long Term Error
P1025 Potential Long Term Error
P1026 Potential Long Term Error
P1027 Potential Long Term Error
P1028 Potential Long Term Error
P1029 Potential Long Term Error
P102A Potential Long Term Error
P102B Potential Long Term Error
P102C Potential Long Term Error
P102D Potential Long Term Error
P102E Potential Long Term Error
P102F Potential Long Term Error
P1030 Potential Long Term Error
P060C Diagnostic Fault Check To Report
P060C Diagnostic Fault Check To Report
P060C Diagnostic Fault Check To Report
P060C Diagnostic Fault Check To Report
P250D Maximum Signal Error Of Oil Level Sensor
P250C Minimum Signal Error Of Oil Level Sensor
P250B Plausibility Check Of Oil Level Sensor
P160B DFC For Open Load Error Of Oil Pressure Lamp
P160C DFC For Over Temperature Error Of Oil Pressure Lamp
P160D DFC For Short Circuit To Battery Error Of Oil Pressure Lamp
P160E DFC For Short Circuit To Ground Error Of Oil Pressure Lamp
P0524 DFC For Minimum Oil Pressure From Digital Sensor
P0521 DFC For Plausibility Test In Case Of Digital Sensor Of Oil Pressure Sensor
P0523 Maximum Oil Pressure Error In Plausibility Check
P0524 Minimum Oil Pressure Error In Plausibility Check
P0520 Signal Error On CAN For Oil Pressure Sensor
P0523 SRC Low For Oil Pressure Sensor
P0522 SRC Low For Oil Pressure Sensor
P0196 Oil Temperature Too High Plausibility Error
U1403 Signal Error On CAN For Oil Temperature
P0198 SRC high For Oil Temperature
P0197 SRC Low For Oil Temperature
P0196 DFC For Oil Temperature Plausibility Check
P2263 Pcr Positive Governor Deviation Above Limit

P2263 Pcrnegative Governordeviation Below Limit
Not Plausible Fault: Phymod_Trq2Qbas_Map Contains Non Strictly Monotonus Q

P1031 Curves

P006D Plausibility Check For Air Pressure At The Upstream Of Intake Valve Sensor

P006D Plausibility Check For Air Pressure At The Upstream Of Intake Valve Sensor

P0238 SRC high For Chargerdair Cooler Pressure (Down Stream)

P0237 SRC low For Chargerdair Cooler Pressure (Down Stream)

P0089 Pressure Relief Valve Reached Maximun Allowed Opening Count

P0089 Pressure Relief Valve Is Forced To Open; Perform Pressure Increase

P0089 Pressure Relief Valve Is Forced To Open; Perform Pressure Shock

P0089 Pressure Relief Valve Is Open

P1036 Quantity Balance Check If A Successfull PRV Opening Is Ensured

P1037 Averaged Rail Pressure Is Outside The Expected Tolerance Range

P0089 Pressure Relief Valve Reached Maximun Allowed Open Time

P060C Reported Msc-Errors Of A R2S2

P0251 Maximumpositive Deviationof Railpressure Eexceeded
DFC For High Pressure Pump Delivery Quantity Exceeds The Plausibility Limit

P0251 Of The Volume Flow Balance
Maximum Negative Rail Pressure Deviation With Metering Unit On Lower Limit

P0251 Is Exceeded

P0251 DFC For Negative Governor Deviation At Zero Delivery (Second Stage)

P0087 Minimum Rail Pressureexceeded

P0088 Maximumrail Pressure Exceeded

P0088 DFC For Maximum Rail Pressure (Second Stage)

P1050 Error Detection By Metering Unit Set Value In Overrun

P0251 Plausibility Check Of The Volume Flow Of The Metering Unit At Low Idle

P0194 Railpressure Raw Valueis Intermittent

P0191 Railpressure Raw Valueis Above Maximum Offset

P0191 Railpressure Raw Valueis Below Minimum Offset

P0088 Monitoring For Maximum Rail Pressure In Limp Home Mode With PRV

P0088 Monitoring For Minimum Injection Quantity During Limp Home Mode With PRV

P0088 Monitoring For High Fuel Temperature During Limp Home Mode With PRV

P0193 Rail Pressure Sensor Voltage Above Upper Limit

P0192 Railpressure Sensorvoltage Below Lower Limit
DFC For The Adjustment Of The Dosing Quantity Gets Incorrect After A Refill

P203B Of Reducing Agent

P3051 Scr System Longterm Adaption Factor Exceeds Threshold

P3052 Scr System Longterm Adaption Factor Below Threshold

P0420 Scr System Efficiency Error
P0420 Scr System Efficiency Exceeds 5.0G/Kwh Error
P0420 Scrsystem Efficiency Exceeds 7.0G/Kwh Error
P2214 DFC For Peak Plausibility Check For NOX Sensor Downstream Of Scr Catalyst
P2214 DFC For Stuck In Range Error Check For NOX Sensor Downstream Of Scr Catatlyst
P2201 DFC For Plausibility Error Max For NOX Sensor Upstream Of Scr Catatlyst
P2201 DFC For Plausibility Error Min For NOX Sensor Upstream Of Scr Catalyst
Monitoring Of The Time Until The Dosing Release Is Given For Scr System (It's
P3042 Used Only For Carb OBD)
P3065 DFC For Monitoring Of The Scr Fill Level Governor Hd
P3050 Generalbackflow Line Plausability Errorof Dnox System
P3053 General Pressure Check Error Of Dnox System
P3054 Pressure Stabilisation Error Of Dnox System
P3039 Monitoring Ofmetering Control Malfuntion Max Errorofdnox System
P3056 Monitoring Ofmetering Control Malfuntion Min Errorofdnox System
P3039 Monitoring Of Over Pressure Of Dnox System
P3040 Monitoring Of Pressure Build Up Malfuntion Max Of Dnox System
P2043 Error Urea Tanktemperature Isoverheated
P0426 Error Scrcatalyst Upstream Temperature Sensor Plausibility Maxthreshold
P0426 Error Scr Catalyst Upstream Temperature Sensor Plausibility Min Threshold
P0426 Error Scr Catalyst Upstream Temperature Sensor Static Plausibility
P2047 Dosing Valve Is Blocked
Diagnostic Fault Check For Functional Response Of Urea Dosing Valve At Low
P2047 Voltage
P3066 Urea Tanksensor Indicates Too Highfill Level
P3067 Urea Tank Sensor Indicates Too Low Fill Level
P3014 Defective Pressure Reduction
P3007 DFC Is Set In Case The Measurement Value Above The Upper Tolerable Limit
P3007 DFC Is Set In Case The Measurement Value Below The Lower Tolerable Limit
P3057 Error Supply Module Heater Plausibility
P3058 Error Urea Supply Module Heater Temperature Sensor Dynamic Plausibility
P3059 Error Ureasupply Moduleheater Temperature Sensor Cold Start Plausibility
P3060 Error Urea Supply Module Temperature Sensor Dynamic Plausibility
P3061 Error Ureasupply Modulettemperature Sensor Coldstart Plausibility
P203B Stuck In Range Check Of Urea Tank Temperature Sensor
U1404 Pto Switch Signal Error (Com_Stptosw=0X0E When Ptoswt_Swtsig_C = 1)
P204E Diagnostic Fault Check For Signal Errors From CAN
P0123 Signal Range Check High For Appl

P0223 Signal Range Check High For App2
P1501 Signal Range Check High For Rmtapp1
P1502 Signal Range Check High For Rmtapp2
P0122 Signal Range Check Low For App1
P0222 Signal Range Check Low For App2
P1503 Signal Range Check Low For Rmtapp1
P1504 Signal Range Check Low For Rmtapp2
P204D Diagnostic Fault Check When The Signal Is Above The Maximum Limit
P203D DFC For SRC High Error Of The Urea Tank Level Sesnor
P204C Diagnostic Fault Check When The Signal Is Below The Minimum Limit
P203C DFC For SRC Low Error Of The Urea Tank Level Sesnor
P0643 Error Sensorsupplies 1
P0653 Error Sensorsupplies 2
P0699 Error Sensor Supplies 3
P1602 Monitoring Of 12V Sensor Supply 1 SRC _High Error
P1603 Monitoring Of 12V Sensor Supply 1 SRC _Low Error
P1602 Monitoring Of 12V Sensor Supply SRC _High Error
P1603 Monitoring Of 12V Sensor Supply SRC _Low Error
P060C Timer Error Of Stop Counter
P160F DFC For Open Load Error On The Output Powerstage For Stop Lamp
P1610 DFC For Over Temperature Error On The Output Powerstage For Stop Lamp
P1611 DFC For Short Circuit To Battery Error On The Output Powerstage For Stop Lamp
P1612 DFC For Short Circuit To Ground Error On The Output Powerstage For Stop Lamp
P0615 No Loaderror For Starter
P0615 Over Temperature Error On Ecu Powerstage For Starter
P0617 Short Circuit To Battery Error For Starter
P0616 Short Circuit To Ground Error Of Starter Output
P1604 No Load Error For Svs Lamp Powerstage
P1605 Over Temperature Error For Svs Lamp Powerstage
P1606 Shortcircuit Tobattery Errorofsvs Lamp Powerstage
P1607 Short Circuit To Ground Error Of Svs Lampe Powerstage
P1608 Softwareresets 0
P1609 Softwareresets 1
P160A Softwareresets 2
P2135 Plausibility Check Between App1 And App2
Diagnostic Fault Check Of Synchronism For Double Potentiometer And Low Idle
P2135 Switch (Lis)
P1505 Diagnostic Fault Check Of Synchronism Of Both Remote Acceleration Pedal

Signals

P2530 Defective T50 Switch

P0113 SRC high For Air Temperaturesensor Of Hfm

P0112 SRC Low For Air Temperature Sensor Of Hfm

P0113 SRC high For Periodduration Ofair Temperaturesensor Of Hfm

P0112 SRC low For Periodduration Ofair Temperaturesensor Of Hfm

P0099 Signal Error For Charger Air Cooler Downstream Temperature

P0098 SRC High For Charger Air Cooler Downstream Temperature

P0097 SRC Low For Charger Air Cooler Downstream Temperature

P0096 Chargerd Air Cooler Temperature Down Stream Plausibility Check Error

P0669 SRC High For Ecu Temperature Sensor

P0668 SRC Low For Ecu Temperature Sensor

P2100 Current Limitedfor Throttlevalve

P2108 DFC For Valve Drift At Closed Position Of TVA Valve

P2108 DFC For Valve Drift Atopen Positionof TVA Valve

P2108 DFC For Rangedrift Of TVA Valve

P2112 Throttle Valve Governordeviation In Cold Start

P2112 Permanent Governordeviationfor Throttle Valve

P2111 Permanent Governordeviationfor Throttle Valve

P2112 Jammed Valve Closed Of Throttle Valve

P2111 Jammed Valve Open Ofthrottle Valve

P2108 DFC For Long Time Valve Drift At Closed Position Of TVA Valve

P2108 DFC For Longtime Valve Drift At Open Position Oftva Valve

P2100 No Load Error For Powerstage On Cj945 For Throttle Valve

P2101 Over Temperature Error On Cj945 For Throttle Valve

P2101 DFC For Throttlevalve Position Sensor Physical SRC high

P2101 DFC For Throttle Valve Position Sensor Physical SRC Low

P2103 Short Circuit To Battery Error For Powerstage On Cj945 For Throttle Valve

P2102 Short Circuit To Ground Error For Powerstage On Cj945 For Throttle Valve

P2108 DFC For Short Time Valve Drift Atclosed Position Oftva Valve

P2108 DFC For Short Time Valve Drift Atopen Position Oftva Valve

P2622 SRC high For Throttlevalve Position Sensor Value

P2621 SRC Low For Throttle Valve Position Sensor Value

P2620 Fault Code For Temporaryerrors For Throttle Valve

Diagnostic Fault Check For SRC High In Engine Inlet Valve Air Temperature

P0113 Upstream Sensor

Diagnostic Fault Check For SRC Low In Engine Inlet Valve Air Temperature

P0112 Upstream Sensor

P0045 No Load Error For Turbo Charger Powerstage
P0049 Error Path For Monitoring Of Turbocharger Overspeed
P0045 Over Temperature Error For Turbo Charger Powerstage
P0048 Short Circuit To Battery Error Of Turbo Charger Powerstage
P0047 Booster Control Circuit Short To Ground
P0428 SRC high For Urea Catalyst Downstream Temperature Sensor
P0427 SRC low For Urea Catalystdownstream Temperature Sensor
P042D Physical Range Check High For Turbine Upstream Temperature Sensor
P042C Physical Range Check Low For Turbine Upstream Temperature Sensor
U0113 Signal Error For CAN Message Of Scr Catalyst Upstream Temperature Sensor
P042D SRC high For Urea Catalystupstream Temperaturesensor
P042C SRC Low For Urea Catalyst Upstream Temperature Sensor
P203F Low Status Ofureatank Level
Current At The End Of Injection Phase Exceeds Max Threshold Of Urea Dosing
P2049 Valve Actuator
P3009 Over Temperatureerroron Powerstageof Urea Dosingvalve Actuator
DFC For Short Circuit To Battery Error On Lowside Switch Of Urea Dosing Valve
P2049 Actuator
DFC For Short Circuit To Battery Or Open Load Error On Highside Swith Of Urea
P2049 Dosing Valve Actuator
DFC For Short Circuit To Ground Or Open Load Error On Lowside Swith Of Urea
P2048 Dosing Valve Actuator
P2047 DFC For Short Circuit Error On Highside Swith Of Urea Dosing Valve Actuator
Pressure Line Heater Error And The Tank Temperature Falls Below The
P3025 Defreezing Value Error
P3083 DFC For Open Load To Ground Error Of Urea Heater Relay 2
DFC For A Short Circuit To Ground Or Open Load Of Urea Heater Relay Circuit
P3084 2
P3074 DFC For Open Load To Ground Error Of Urea Heater Relay 3
DFC For A Short Circuit To Ground Or Open Load Of Urea Heater Relay Circuit
P3075 3
P3070 DFC For Open Load To Ground Error Of Urea Heater Relay 4
DFC For A Short Circuit To Ground Or Open Load Of Urea Heater Relay Circuit
P3071 4
P3079 DFC For Open Load To Ground Error Of Urea Heater Relay 5
DFC For A Short Circuit To Ground Or Open Load Of Urea Heater Relay Circuit
P3080 5
P3077 DFC For Short Circuit To Battery Diagnostics

P3069 DFC For Adc Plausibility Error Of B1 Heater Feedback
P3021 DFC For Open Load Error of urea Backflow Line Heater Actuator powerstage
DFC For Over Temperature Error Of Urea Backflow Line Heater Actuator
P3072 Powerstage
DFC For Shortcircuit To Battery of Urea Backflow Line heater Actuator
P3023 Powerstage
DFC For Short Circuit To Ground Of Urea Backflow Line Heater Actuator
P3022 Powerstage
P3073 DFC For Adc Plausibility Error Of P1 Heater Feedback
P3024 DFC For Open Load Error of urea Pressure Line Heater Actuator powerstage
P3076 DFC For Over Temperature error of Urea Pressure Line heater Actuator Powerstage
DFC For Shortcircuit To Battery of Urea Pressure Line heater Actuator
P3027 Powerstage
DFC For Shortcircuit To Ground of Urea Pressure Line heater Actuator
P3026 Powerstage
P3043 DFC For Open Load Error of external Urea Heater Relay
P3044 Over Temperature Error On Powerstage For External Urea Heater Relay
P3045 DFC For Shortcircuit To Battery error of External Urea Heater Relay
P3046 DFC For Shortcircuit To Ground error of External Urea Heater Relay
P3078 DFC For Adc Plausibility Error Of S1 Heater Feedback
P3028 DFC For Open Load Error Of Urea Suction Line Heater Actuator Powerstage
P3081 DFC For Over Temperature error of Urea Suction Line heater Actuator Powerstage
DFC For Short Circuit To Battery Of Urea Suction Line Heater Actuator
P3032 Powerstage
DFC For Short Circuit To Ground Of Urea Suction Line Heater Actuator
P3031 Powerstage
P3082 DFC For Adc Plausibility Error Of S2 Heater Feedback
P3033 DFC For Open Load Error of urea Supply Module heater Actuator Powerstage
P3085 DFC For Over Temperature error of Urea Supply Module heater Actuator Powerstage
DFC For Shortcircuit To Battery of Urea Supply Module heater Actuator
P3037 Powerstage
DFC For Short Circuit To Ground Of Urea Supply Module Heater Actuator
P3036 Powerstage
P3016 DFC For Open Load Error Of Urea Tank Heater Actuator Powerstage
P3018 DFC For Over Temperature error of Urea Tank Heater Actuator Powerstage
P3020 DFC For Shortcircuit To Battery of Urea Tank Heater Actuator Powerstage
P3019 DFC For Shortcircuit To Ground of Urea Tank Heater Actuator Powerstage
P2043 DFC For Pump Motor Communication Receive Fail

P3001 Urea Pump Motor Speed Deviation
P3086 Permanent Urea Pump Motor Speed Deviation
P3006 No Load Error On Powerstage For Urea Pump Motor
P3003 Over Temperatureerroron Powerstagefor Ureapump Motor
P3038 DFC For Pumpmotor Internal Duty Cycle Above Maximum Range
P2062 DFC For Pumpmotor Internal Duty Cycle Below Minimum Range
P3029 DFC For Supply Heater Module Temperature Duty Cycle Above Maximum Range
P3029 DFC For Supply Heater Module Temperature Duty Cycle Below Minimum Range
P2062 DFC For Pumpmotor Speed Duty Cycle Above Maximum Range
P3002 DFC For Pumpmotor Speed Duty Cycle Below Minimum Range
P3029 DFC For Supply Module Temperature Duty Cycle Above Maximum Range
P3029 DFC For Supply Module Temperature Duty Cycle Below Minimum Range
P3004 Shortcircuit Tobattery Erroron Powerstage For Ureapump Motor
P3005 Shortcircuit Toground Erroron Powerstage For Ureapump Motor
P3047 Ol Error Of The Pwm Output High Side Power Stage Of The Urea Back Flow Pump
DFC For An Over Temperature Error At The Pwm Output High Side Power Stage
P3048 Of The Urea Back Flow Pump
P3049 Scb Error Of The Pwm Output High Side Power Stage Of The Urea Back Flow Pump
P3050 Scg Error Of The Pwm Output High Side Power Stage Of The Urea Back Flow Pump
P3010 Ol Error Of The Pwm Output Power Stage Of The Urea Back Flow Pump
DFC For An Overt Emperature Error At The Pwm Output Power Stage Of The Urea
P3011 Back Flow Pump
P3013 Scb Error Of The Pwm Output Power Stage Of The Urea Back Flow Pump
P3012 Scg Error Of The Pwm Output Power Stage Of The Urea Back Flow Pump
P203D Error Of Urea Tank Level Sensor With Physical Range Check High
P203C Error Of Urea Tank Level Sensor With Physical Range Check Low
P205D Diagnostic Fault Check For Physical Signal Above Maximum Limit
P205C Diagnostic Fault Check For Physical Signal Below Minimum Limit
P205A Signal Error For CAN Message Of Urea Temperature
P205D SRC high For Urea Temperaturesensor
P205C SRC Low For Urea Temperature Sensor
P205B Error Urea Tank Temperature Sensor Plausibility Max Error
P205B Error Urea Tank Temperature Sensor Plausibility Min Error
U1405 Signalerror For Vehicle Speed Over CAN
P0279 Maximum Threshold Error For Vehicle Speed
P2162 Npl Error For Vehicle Speed Signal Over Tachomter Or Hardware Sensor
P0501 Npl Error For Vehicle Speed Signal Over Tachomter Or Hardware Sensor
P0503 Signal Level Low Error For Vehicle Speed Signal Over Tachomter Or Hardware

Sensor

Signal Level Low Error For Vehicle Speed Signal Over Tachometer Or Hardware

P0502 Sensor

P2158 Max Error For Vehicle Speed Signal Over Tachometer Sensor

P2160 Min Error For Vehicle Speed Signal Over Tachometer Sensor

P2161 Signal Error For Vehicle Speed Over Tachometer

P1613 No Load Error Of Warning Lamp

P1614 Over Temperature Error Of Warning Lamp

P1615 Short Circuit To Battery Error Of Warning Lamp

P1616 Short Circuit To Ground Error Of Warning Lamp

1.1.8 MF3.2(JND) EURO IV DIESEL ENGINE

P2227 Ambient pressure sensor: gradient check ,Barometric Pressure Sensor A Circuit Range/Performance

P0504 Diagnostics of BLS/BTS plausibility test 2,Brake Switch A/B Correlation

P0046 CAN based diagnosis with mask 1 for boost pressure actuator - Motor Short Circuit ,Turbocharger/Supercharger Boost Control A Circuit Range/Performance

P0046 CAN based diagnosis with mask 1 for boost pressure actuator - Power Supply,Turbocharger/Supercharger Boost Control A Circuit Range/Performance

P00AF CAN based diagnosis with mask 1 for boost pressure actuator - Temperature Out of Range,Turbocharger/Supercharger Boost Control A Module Performance

U010C CAN based diagnosis with mask 1 for boost pressure actuator - Can Communication lost,Lost Communication With Turbocharger/Supercharger Control Module A

P00AF CAN based diagnosis with mask 1 for boost pressure actuator - Turbo Control failure detected. ,Turbocharger/Supercharger Boost Control A Module Performance

P0340 No intake camshaft signal ,Camshaft Position Sensor A Circuit - Bank 1 or Single Sensor

P0341 Intake camshaft period diagnosis,Camshaft Position Sensor A Circuit Range/Performance - Bank 1 or Single Sensor

P0341 Intake camshaft diagnostic for engine synchronization ,Camshaft Position Sensor A Circuit Range/Performance - Bank 1 or Single Sensor

P0011 Intake camshaft synchronization diagnosis ,A Camshaft Position - Timing Over-Advanced or System Performance - Bank 1

U0001 CAN Bus Off Failure ,High Speed CAN Communication Bus

U010C Detection of messages timeout failure from BPA,Lost Communication With Turbocharger/Supercharger Control Module A

U010A Detection of messages timeout failure from EGRV ,Lost Communication With Exhaust Gas Recirculation Control Module A

P02EE	Capacity range check - Max,Cylinder 1 Injector Circuit Range/Performance
P02EE	Capacity range check - Min,Cylinder 1 Injector Circuit Range/Performance
P02F0	Capacity range check - Max,Cylinder 3 Injector Circuit Range/Performance
P02F0	Capacity range check - Min,Cylinder 3 Injector Circuit Range/Performance
P02F1	Capacity range check - Max,Cylinder 4 Injector Circuit Range/Performance
P02F1	Capacity range check - Min,Cylinder 4 Injector Circuit Range/Performance
P02EF	Capacity range check - Max,Cylinder 2 Injector Circuit Range/Performance
P02EF	Capacity range check - Min,Cylinder 2 Injector Circuit Range/Performance
P0262	Charge range check - Max,Cylinder 1 Injector Circuit High
P0261	Charge range check - Min,Cylinder 1 Injector Circuit Low
P0268	Charge range check - Max,Cylinder 3 Injector Circuit High
P0267	Charge range check - Min,Cylinder 3 Injector Circuit Low
P0271	Charge range check - Max,Cylinder 4 Injector Circuit High
P0270	Charge range check - Min,Cylinder 4 Injector Circuit Low
P0265	Charge range check - Max,Cylinder 2 Injector Circuit High
P0264	Charge range check - Min,Cylinder 2 Injector Circuit Low
P060B	Logical variable for ADC error,Internal Control Module A/D Processing Performance
P0335	Crankshaft sensor failure open or short circuit diagnosis ,Crankshaft Position Sensor A Circuit
P0335	No crankshaft signal,Crankshaft Position Sensor A Circuit
P0016	Crankshaft CPDD signal diagnosis,Crankshaft Position - Camshaft Position Correlation - Bank 1 Sensor A
P0336	Crankshaft tooth number error diagnosis ,Crankshaft Position Sensor A Circuit Range/Performance
P0339	Crankshaft tooth period diagnosis ,Crankshaft Position Sensor A Circuit Intermittent
P0704	Clutch switch plausibility check. ,Clutch Switch Input Circuit
P0704	Clutch switch plausibility check. ,Clutch Switch Input Circuit
P2452	DPF differential Pressure signal constant,Diesel Particulate Filter Pressure Sensor A Circuit
P244B	DPF differential Pressure signal at Engine Stopped ,Diesel Particulate Filter Differential Pressure Too High - Bank 1
P2452	DPF differential Pressure gradient check ,Diesel Particulate Filter Pressure Sensor A Circuit
P2463	High flow restriction (DPF Overfull/Plugged) Fault,Diesel Particulate Filter Restriction - Soot Accumulation - Bank 1
P2002	Fault Low flow restriction (DPF Leakage/Missing),Diesel Particulate Filter Efficiency Below Threshold - Bank 1
P0604	internal RAM-Failure,Internal Control Module Random Access Memory (RAM) Error
P0601	ECU checksum Failure,Internal Control Module Memory Checksum Error
P064F	Calibration checksum Failure,Unauthorized Software/Calibration Detected
P062F	EEPROM failure,Internal Control Module EEPROM Error
P0629	Electrical fuel lift pump: Short circuit plus ,Fuel Pump A Control Circuit High

- P0628 Electrical fuel lift pump: Short circuit ground ,Fuel Pump A Control Circuit Low
- P0627 Electrical fuel lift pump: Open load,Fuel Pump A Control Circuit/Open
- P0230 Relay is driven but the fuel lift pump is not powered ,Fuel Pump Primary Circuit
- P0230 Relay is not detected but the fuel lift pump is powered ,Fuel Pump Primary Circuit
- P0402 EGR control deviation above maximum ,Exhaust Gas Recirculation A Flow Excessive Detected
- P0401 EGR control deviation below minimum ,Exhaust Gas Recirculation A Flow Insufficient Detected
- P0401 EGR control deviation below minimum ,Exhaust Gas Recirculation A Flow Insufficient Detected
- P0403 CAN based diagnosis with mask 1 for exhaust gas recirculation actuator,Exhaust Gas Recirculation A Control Circuit/Open
- P0404 CAN based diagnosis with mask 1 for exhaust gas recirculation actuator,Exhaust Gas Recirculation A Control Circuit Range/Performance
- P0404 CAN based diagnosis with mask 1 for exhaust gas recirculation actuator,Exhaust Gas Recirculation A Control Circuit Range/Performance
- U010A CAN based diagnosis with mask 1 for exhaust gas recirculation actuator,Lost Communication With Exhaust Gas Recirculation Control Module A
- P0404 CAN based diagnosis with mask 1 for exhaust gas recirculation actuator,Exhaust Gas Recirculation A Control Circuit Range/Performance
- P2148 Energy range check - Max,Fuel Injector Group A Supply Voltage Circuit High
- P2147 Energy range check - Min,Fuel Injector Group A Supply Voltage Circuit Low
- P2154 Energy range check - Max,Fuel Injector Group C Supply Voltage Circuit High
- P2153 Energy range check - Min,Fuel Injector Group C Supply Voltage Circuit Low
- P2157 Energy range check - Max,Fuel Injector Group D Supply Voltage Circuit High
- P2156 Energy range check - Min,Fuel Injector Group D Supply Voltage Circuit Low
- P2151 Energy range check - Max,Fuel Injector Group B Supply Voltage Circuit High
- P2150 Energy range check - Min,Fuel Injector Group B Supply Voltage Circuit Low
- P213E Engine stop by electrical/hydraulic cut off path failed - ES_ENG,Fuel Injection System Fault - Forced Engine Shutdown
- P213F Engine stop by electrical/hydraulic cut off path failed - ES_FUP,Fuel Pump System Fault - Forced Engine Shutdown
- P062B Fault present in fuel cut off condition ,Internal Control Module Fuel Injector Control Performance
- P2269 Water in fuel detection ,Water in Fuel Condition
- P0380 Open circuit,Glow Plug/Heater Circuit A
- P037E Relay is driven but the glow plugs are not powered,Glow Plug Sense Circuit Low
- P037F Relay is driven but the glow plugs are not powered,Glow Plug Sense Circuit High
- P0380 Short cut to ground ,Glow Plug/Heater Circuit A
- P0380 Short cut to power,Glow Plug/Heater Circuit A
- P0262 Injection valve piezo energy control at its limitation - Max,Cylinder 1 Injector Circuit High
- P0261 Injection valve piezo energy control at its limitation - Min,Cylinder 1 Injector Circuit Low

- P0268 Injection valve piezo energy control at its limitation - Max,Cylinder 3 Injector Circuit High
- P0267 Injection valve piezo energy control at its limitation - Min,Cylinder 3 Injector Circuit Low
- P0271 Injection valve piezo energy control at its limitation - Max,Cylinder 4 Injector Circuit High
- P0270 Injection valve piezo energy control at its limitation - Min,Cylinder 4 Injector Circuit Low
- P0265 Injection valve piezo energy control at its limitation - Max,Cylinder 2 Injector Circuit High
- P0264 Injection valve piezo energy control at its limitation - Min,Cylinder 2 Injector Circuit Low
- P0201 IV open circuit ,Injector Circuit/Open - Cylinder 1
- P0203 IV open circuit ,Injector Circuit/Open - Cylinder 3
- P0204 IV open circuit ,Injector Circuit/Open - Cylinder 4
- P0202 IV open circuit ,Injector Circuit/Open - Cylinder 2
- P022D IV short circuit general,Fuel Injector Driver Circuit Performance - Bank 1
- P0261 IV short circuit over injector terminals,Cylinder 1 Injector Circuit Low
- P0267 IV short circuit over injector terminals,Cylinder 3 Injector Circuit Low
- P0270 IV short circuit over injector terminals,Cylinder 4 Injector Circuit Low
- P0264 IV short circuit over injector terminals,Cylinder 2 Injector Circuit Low
- P0216 IV non-fueling voltage error,Injector/Injection Timing Control Circuit
- P0101 MAF ratio deviation above maximum threshold 0 ,Mass or Volume Air Flow Sensor A Circuit Range/Performance
- P0101 MAF ratio deviation above maximum threshold 1 ,Mass or Volume Air Flow Sensor A Circuit Range/Performance
- P0101 MAF ratio deviation below minimum threshold 0 ,Mass or Volume Air Flow Sensor A Circuit Range/Performance
- P0101 MAF ratio deviation below minimum threshold 1 ,Mass or Volume Air Flow Sensor A Circuit Range/Performance
- P0104 MAF frequency signal short to ground,Mass or Volume Air Flow Sensor A Circuit Intermittent
- P0101 MAF frequency out of range - Max,Mass or Volume Air Flow Sensor A Circuit Range/Performance
- P0069 Offset check between MAP and AMP before engine start - Max,Manifold Absolute Pressure - Barometric Pressure Correlation
- P0069 Offset check between MAP and AMP before engine start - Min,Manifold Absolute Pressure - Barometric Pressure Correlation
- P0236 MAP sensor signal gradient not plausible,Turbocharger/Supercharger Boost Sensor A Circuit Range/Performance
- P0170 Fault in minimum fuel mass adaption ,Fuel Trim - Bank 1
- P0301 Cylinder 1,Cylinder 1 Misfire Detected
- P0303 Cylinder 3,Cylinder 3 Misfire Detected
- P0304 Cylinder 4,Cylinder 4 Misfire Detected
- P0302 Cylinder 2,Cylinder 2 Misfire Detected
- P0602 ECU is in Production Mode ,Control Module Programming Error

- P060A Error detected by processor monitoring - ROM error on MC,Internal Control Module Monitoring Processor Performance
- P060A Error detected by processor monitoring - RAM error on MC,Internal Control Module Monitoring Processor Performance
- P060A Error detected by processor monitoring - SOPC error/ unspecific level 3 error ,Internal Control Module Monitoring Processor Performance
- P060A Error detected by processor monitoring - FS-IST error on MU ,Internal Control Module Monitoring Processor Performance
- P061C Failure of Monitoring for Engine Speed ,Internal Control Module Engine RPM Performance
- P0219 Engine speed too high ,Engine Overspeed Condition
- P0219 Maximum engin speed level 1 reached ,Engine Overspeed Condition
- P0219 Maximum engin speed level 2 reached ,Engine Overspeed Condition
- P228C PFU control at maximum,Fuel Pressure Regulator 1 Exceeded Control Limits - Pressure Too Low
- P228D PFU control at minimum, VCV open,Fuel Pressure Regulator 1 Exceeded Control Limits - Pressure Too High
- P0088 Critical PFU,Fuel Rail/System Pressure - Too High
- P0087 PFU low during start,Fuel Rail/System Pressure - Too Low
- P0194 Gradient check of fuel pressure sensor,Fuel Rail Pressure Sensor A Circuit Intermittent/Erratic
- P0524 Oil pressure warning,Engine Oil Pressure Too Low
- P062B Fault concerning Post Injections present,Internal Control Module Fuel Injector Control Performance
- P062D Fault with filtering of piezo powerstage device diagnostic,Fuel Injector Driver Circuit Performance - Bank 1
- P062D Fault with filtering of Piezo powerstage init diagnostic,Fuel Injector Driver Circuit Performance - Bank 1
- P0299 PUT control deviation above maximum ,Turbocharger/Supercharger A Underboost Condition
- P0234 PUT control deviation below minumum ,Turbocharger/Supercharger A Overboost Condition
- P2299 Plausibility error pedal value sensor/brake ,Brake Pedal Position/Accelerator Pedal Position Incompatible
- P0123 PVS channel 1: check of upper range ,Throttle/Pedal Position Sensor/Switch A Circuit High
- P0223 PVS channel 2: check of upper range ,Throttle/Pedal Position Sensor/Switch B Circuit High
- P0122 PVS channel 1: check of lower range ,Throttle/Pedal Position Sensor/Switch A Circuit Low
- P0222 PVS channel 2: check of lower range ,Throttle/Pedal Position Sensor/Switch B Circuit Low
- P060D Logical variable for different PVS diagnosis between L1 and L2,Internal Control Module Accelerator Pedal Position Performance
- P2299 PVS ratio check ,Brake Pedal Position/Accelerator Pedal Position Incompatible
- P0027 Exhaust Retarder - Open Circuit ,Exhaust Valve Control Solenoid Circuit Range/Performance - Bank 1
- P0027 Exhaust Retarder - Short Circuit to Ground,Exhaust Valve Control Solenoid Circuit Range/Performance - Bank 1

- P0027 Exhaust Retarder - Short Circuit to Power ,Exhaust Valve Control Solenoid Circuit Range/Performance - Bank 1
- P0688 Main relay switch on too slow ,ECM/PCM Power Relay Sense Circuit/Open
- P068B Main relay OFF output diagnostic plausibility ,ECM/PCM Power Relay De-Energized Performance - Too Late
- P068A Main relay OFF output diagnostic plausibility ,ECM/PCM Power Relay De-Energized Performance - Too Early
- P0606 Serial peripheral interface bus is faulty - Detected symptom SPI-busdiagnosis for Multi-powerstage,Control Module Processor
- P011C TBA - TIA Above maximum threshold (Cold Start),Charge Air Cooler Temperature/Intake Air Temperature Correlation - Bank 1
- P011C TBA - TIA Below minimum threshold (Cold Start),Charge Air Cooler Temperature/Intake Air Temperature Correlation - Bank 1
- P0217 Engine coolant temperature level 1 exceeded ,Engine Coolant Over Temperature Condition
- P0217 Engine coolant temperature level 2 exceeded ,Engine Coolant Over Temperature Condition
- P0217 Engine coolant temperature level 3 exceeded ,Engine Coolant Over Temperature Condition
- P0119 Coolant temperature gradient check,Engine Coolant Temperature Sensor 1 Circuit Intermittent
- P0119 Engine coolant temperature sensor plausibility check for rise in temperature after warm up,Engine Coolant Temperature Sensor 1 Circuit Intermittent
- P0667 ECU temperature sensor: gradient check,Control Module Internal Temperature Sensor A Range/Performance
- P0667 ECU temperature sensor: gradient check,Control Module Internal Temperature Sensor A Range/Performance
- P0634 ECU temperature sensor: overtemperature check ,Control Module Internal Temperature A Too High
- P0634 ECU temperature sensor: overtemperature check ,Control Module Internal Temperature A Too High
- P0114 TIA - Air temperature sensors signal gradient not plausible for sensor j,Intake Air Temperature Sensor 1 Circuit Intermittent - Bank 1
- P0099 TBA - Air temperature sensors signal gradient not plausible for sensor j,Intake Air Temperature Sensor 2 Circuit Intermittent/Erratic - Bank 1
- P0113 TIA - Air temperature sensors signal above maximum threshold for sensor j ,Intake Air Temperature Sensor 1 Circuit High - Bank 1
- P0098 TBA - Air temperature sensors signal above maximum threshold for sensor j ,Intake Air Temperature Sensor 2 Circuit High - Bank 1
- P0112 TIA - Air temperature sensors signal below minimum threshold for sensor j ,Intake Air Temperature Sensor 1 Circuit Low - Bank 1
- P0097 TBA - Air temperature sensors signal below minimum threshold for sensor j ,Intake Air Temperature Sensor 2 Circuit Low - Bank 1
- P0168 Fuel Temperature High Critical,Fuel Temperature Too High

- P0184 Fuel temperature sensor gradient check,Fuel Temperature Sensor A Circuit Intermittent
- P0111 Intake Air temperature above maximum threshold,Intake Air Temperature Sensor 1 Circuit Range/Performance - Bank 1
- P007A Intake Manifold temperature above maximum threshold ,Charge Air Cooler Temperature Sensor Circuit - Bank 1
- P0111 Intake Air temperature below minimum threshold,Intake Air Temperature Sensor 1 Circuit Range/Performance - Bank 1
- P007A Intake Manifold temperature below minimum threshold ,Charge Air Cooler Temperature Sensor Circuit - Bank 1
- P062B Fault concerning ignition timing,Internal Control Module Fuel Injector Control Performance
- P061A Fault present in engine speed limitation,Internal Control Module Torque Performance
- P2229 Ambient pressure sensor: range check Max,Barometric Pressure Sensor A Circuit High
- P2228 Ambient pressure sensor: range check Min,Barometric Pressure Sensor A Circuit Low
- P0A10 DCDC voltage to high,DC/DC Converter Status Circuit High
- P0A09 DCDC voltage to low ,DC/DC Converter Status Circuit Low
- P2455 Voltage from differential pressure sensor on particulate filter - Max ,Diesel Particulate Filter Pressure Sensor A Circuit High
- P2454 Voltage from differential pressure sensor on particulate filter - Min ,Diesel Particulate Filter Pressure Sensor A Circuit Low
- P02EE Voltage range check - Max ,Cylinder 1 Injector Circuit Range/Performance
- P02EE Voltage range check - Min ,Cylinder 1 Injector Circuit Range/Performance
- P02F0 Voltage range check - Max ,Cylinder 3 Injector Circuit Range/Performance
- P02F0 Voltage range check - Min ,Cylinder 3 Injector Circuit Range/Performance
- P02F1 Voltage range check - Max ,Cylinder 4 Injector Circuit Range/Performance
- P02F1 Voltage range check - Min ,Cylinder 4 Injector Circuit Range/Performance
- P02EF Voltage range check - Max ,Cylinder 2 Injector Circuit Range/Performance
- P02EF Voltage range check - Min ,Cylinder 2 Injector Circuit Range/Performance
- P0108 MAP sensor signal range check - Max ,Manifold Absolute Pressure/Barometric Pressure Sensor Circuit High
- P0107 MAP sensor signal range check - Min ,Manifold Absolute Pressure/Barometric Pressure Sensor Circuit Low
- P0669 ECU temperature sensor: range check - Max ,Control Module Internal Temperature Sensor A Circuit High
- P0668 ECU temperature sensor: range check - Min ,Control Module Internal Temperature Sensor A Circuit Low
- P0669 ECU temperature sensor: range check - Max ,Control Module Internal Temperature Sensor A Circuit High
- P0668 ECU temperature sensor: range check - Min ,Control Module Internal Temperature Sensor A Circuit

Low

- P0183 Fuel temperature sensor range check - Max ,Fuel Temperature Sensor A Circuit High
- P0182 Fuel temperature sensor range check - Min ,Fuel Temperature Sensor A Circuit Low
- P0643 VCC high diagnostic ,Sensor Reference Voltage A Circuit High
- P0653 VCC high diagnostic ,Sensor Reference Voltage B Circuit High
- P0642 VCC low diagnostic,Sensor Reference Voltage A Circuit Low
- P0652 VCC low diagnostic,Sensor Reference Voltage B Circuit Low
- P0001 Current exceeds maximal limit ,Fuel Volume Regulator Control Circuit/Open
- P0003 Short circuit to ground ,Fuel Volume Regulator Control Circuit Low
- P0004 Short circuit to ground ,Fuel Volume Regulator Control Circuit High
- P0192 Bottom limit range check of fuel pressure sensor,Fuel Rail Pressure Sensor A Circuit Low
- P0193 Top limit range check of fuel pressure sensor ,Fuel Rail Pressure Sensor A Circuit High
- P0659 Battery voltage too high,Actuator Supply Voltage A Circuit High
- P2671 Battery voltage too high,Actuator Supply Voltage B Circuit High
- P2686 Battery voltage too high,Actuator Supply Voltage C Circuit High
- P0658 Battery voltage too low ,Actuator Supply Voltage A Circuit Low
- P2670 Battery voltage too low ,Actuator Supply Voltage B Circuit Low

1.1.9 MF3.2(JND) EURO V DIESEL ENGINE

1.1.9.1 MF3.2(JND) EURO V DIESEL ENGINE SYSTEM

- P2227 Ambient pressure sensor: gradient check ,Barometric Pressure Sensor A Circuit Range/Performance
- P0504 Diagnostics of BLS/BTS plausibility test 2,Brake Switch A/B Correlation
- P0046 CAN based diagnosis with mask 1 for boost pressure actuator - Motor Short Circuit ,Turbocharger/Supercharger Boost Control A Circuit Range/Performance
- P0046 CAN based diagnosis with mask 1 for boost pressure actuator - Power Supply,Turbocharger/Supercharger Boost Control A Circuit Range/Performance
- P00AF CAN based diagnosis with mask 1 for boost pressure actuator - Temperature Out of Range,Turbocharger/Supercharger Boost Control A Module Performance
- U010C CAN based diagnosis with mask 1 for boost pressure actuator - Can Communication lost,Lost Communication With Turbocharger/Supercharger Control Module A
- P00AF CAN based diagnosis with mask 1 for boost pressure actuator - Turbo Control failure detected. ,Turbocharger/Supercharger Boost Control A Module Performance
- P0340 No intake camshaft signal ,Camshaft Position Sensor A Circuit - Bank 1 or Single Sensor
- P0341 Intake camshaft period diagnosis,Camshaft Position Sensor A Circuit Range/Performance - Bank 1 or Single Sensor

- P0341 Intake camshaft diagnostic for engine synchronization ,Camshaft Position Sensor A Circuit Range/Performance - Bank 1 or Single Sensor
- P0011 Intake camshaft synchronization diagnosis ,A Camshaft Position - Timing Over-Advanced or System Performance - Bank 1
- U0001 CAN Bus Off Failure ,High Speed CAN Communication Bus
- U010C Detection of messages timeout failure from BPA,Lost Communication With Turbocharger/Supercharger Control Module A
- U010A Detection of messages timeout failure from EGRV ,Lost Communication With Exhaust Gas Recirculation Control Module A
- P02EE Capacity range check - Max,Cylinder 1 Injector Circuit Range/Performance
- P02EE Capacity range check - Min,Cylinder 1 Injector Circuit Range/Performance
- P02F0 Capacity range check - Max,Cylinder 3 Injector Circuit Range/Performance
- P02F0 Capacity range check - Min,Cylinder 3 Injector Circuit Range/Performance
- P02F1 Capacity range check - Max,Cylinder 4 Injector Circuit Range/Performance
- P02F1 Capacity range check - Min,Cylinder 4 Injector Circuit Range/Performance
- P02EF Capacity range check - Max,Cylinder 2 Injector Circuit Range/Performance
- P02EF Capacity range check - Min,Cylinder 2 Injector Circuit Range/Performance
- P0262 Charge range check - Max,Cylinder 1 Injector Circuit High
- P0261 Charge range check - Min,Cylinder 1 Injector Circuit Low
- P0268 Charge range check - Max,Cylinder 3 Injector Circuit High
- P0267 Charge range check - Min,Cylinder 3 Injector Circuit Low
- P0271 Charge range check - Max,Cylinder 4 Injector Circuit High
- P0270 Charge range check - Min,Cylinder 4 Injector Circuit Low
- P0265 Charge range check - Max,Cylinder 2 Injector Circuit High
- P0264 Charge range check - Min,Cylinder 2 Injector Circuit Low
- P060B Logical variable for ADC error,Internal Control Module A/D Processing Performance
- P0335 Crankshaft sensor failure open or short circuit diagnosis ,Crankshaft Position Sensor A Circuit
- P0335 No crankshaft signal,Crankshaft Position Sensor A Circuit
- P0016 Crankshaft CPDD signal diagnosis,Crankshaft Position - Camshaft Position Correlation - Bank 1 Sensor A
- P0336 Crankshaft tooth number error diagnosis ,Crankshaft Position Sensor A Circuit Range/Performance
- P0339 Crankshaft tooth period diagnosis ,Crankshaft Position Sensor A Circuit Intermittent
- P0704 Clutch switch plausibility check. ,Clutch Switch Input Circuit
- P0704 Clutch switch plausibility check. ,Clutch Switch Input Circuit
- P2452 DPF differential Pressure signal constant,Diesel Particulate Filter Pressure Sensor A Circuit
- P244B DPF differential Pressure signal at Engine Stopped ,Diesel Particulate Filter Differential Pressure Too High - Bank 1
- P2452 DPF differential Pressure gradient check ,Diesel Particulate Filter Pressure Sensor A Circuit

- P2463 High flow restriction (DPF Overfull/Plugged) Fault,Diesel Particulate Filter Restriction - Soot Accumulation - Bank 1
- P2002 Fault Low flow restriction (DPF Leakage/Missing),Diesel Particulate Filter Efficiency Below Threshold - Bank 1
- P0604 internal RAM-Failure,Internal Control Module Random Access Memory (RAM) Error
- P0601 ECU checksum Failure,Internal Control Module Memory Checksum Error
- P064F Calibration checksum Failure,Unauthorized Software/Calibration Detected
- P062F EEPROM failure,Internal Control Module EEPROM Error
- P0629 Electrical fuel lift pump: Short circuit plus ,Fuel Pump A Control Circuit High
- P0628 Electrical fuel lift pump: Short circuit ground ,Fuel Pump A Control Circuit Low
- P0627 Electrical fuel lift pump: Open load,Fuel Pump A Control Circuit/Open
- P0230 Relay is driven but the fuel lift pump is not powered ,Fuel Pump Primary Circuit
- P0230 Relay is not detected but the fuel lift pump is powered ,Fuel Pump Primary Circuit
- P0402 EGR control deviation above maximum ,Exhaust Gas Recirculation A Flow Excessive Detected
- P0401 EGR control deviation below minimum ,Exhaust Gas Recirculation A Flow Insufficient Detected
- P0401 EGR control deviation below minimum ,Exhaust Gas Recirculation A Flow Insufficient Detected
- P0403 CAN based diagnosis with mask 1 for exhaust gas recirculation actuator,Exhaust Gas Recirculation A Control Circuit/Open
- P0404 CAN based diagnosis with mask 1 for exhaust gas recirculation actuator,Exhaust Gas Recirculation A Control Circuit Range/Performance
- P0404 CAN based diagnosis with mask 1 for exhaust gas recirculation actuator,Exhaust Gas Recirculation A Control Circuit Range/Performance
- U010A CAN based diagnosis with mask 1 for exhaust gas recirculation actuator,Lost Communication With Exhaust Gas Recirculation Control Module A
- P0404 CAN based diagnosis with mask 1 for exhaust gas recirculation actuator,Exhaust Gas Recirculation A Control Circuit Range/Performance
- P2148 Energy range check - Max,Fuel Injector Group A Supply Voltage Circuit High
- P2147 Energy range check - Min,Fuel Injector Group A Supply Voltage Circuit Low
- P2154 Energy range check - Max,Fuel Injector Group C Supply Voltage Circuit High
- P2153 Energy range check - Min,Fuel Injector Group C Supply Voltage Circuit Low
- P2157 Energy range check - Max,Fuel Injector Group D Supply Voltage Circuit High
- P2156 Energy range check - Min,Fuel Injector Group D Supply Voltage Circuit Low
- P2151 Energy range check - Max,Fuel Injector Group B Supply Voltage Circuit High
- P2150 Energy range check - Min,Fuel Injector Group B Supply Voltage Circuit Low
- P213E Engine stop by electrical/hydraulic cut off path failed - ES_ENG,Fuel Injection System Fault - Forced Engine Shutdown
- P213F Engine stop by electrical/hydraulic cut off path failed - ES_FUP,Fuel Pump System Fault - Forced Engine Shutdown

- P062B Fault present in fuel cut off condition ,Internal Control Module Fuel Injector Control Performance
- P2269 Water in fuel detection ,Water in Fuel Condition
- P0380 Open circuit,Glow Plug/Heater Circuit A
- P037E Relay is driven but the glow plugs are not powered,Glow Plug Sense Circuit Low
- P037F Relay is driven but the glow plugs are not powered,Glow Plug Sense Circuit High
- P0380 Short cut to ground ,Glow Plug/Heater Circuit A
- P0380 Short cut to power,Glow Plug/Heater Circuit A
- P0262 Injection valve piezo energy control at its limitation - Max,Cylinder 1 Injector Circuit High
- P0261 Injection valve piezo energy control at its limitation - Min,Cylinder 1 Injector Circuit Low
- P0268 Injection valve piezo energy control at its limitation - Max,Cylinder 3 Injector Circuit High
- P0267 Injection valve piezo energy control at its limitation - Min,Cylinder 3 Injector Circuit Low
- P0271 Injection valve piezo energy control at its limitation - Max,Cylinder 4 Injector Circuit High
- P0270 Injection valve piezo energy control at its limitation - Min,Cylinder 4 Injector Circuit Low
- P0265 Injection valve piezo energy control at its limitation - Max,Cylinder 2 Injector Circuit High
- P0264 Injection valve piezo energy control at its limitation - Min,Cylinder 2 Injector Circuit Low
- P0201 IV open circuit ,Injector Circuit/Open - Cylinder 1
- P0203 IV open circuit ,Injector Circuit/Open - Cylinder 3
- P0204 IV open circuit ,Injector Circuit/Open - Cylinder 4
- P0202 IV open circuit ,Injector Circuit/Open - Cylinder 2
- P022D IV short circuit general,Fuel Injector Driver Circuit Performance - Bank 1
- P0261 IV short circuit over injector terminals,Cylinder 1 Injector Circuit Low
- P0267 IV short circuit over injector terminals,Cylinder 3 Injector Circuit Low
- P0270 IV short circuit over injector terminals,Cylinder 4 Injector Circuit Low
- P0264 IV short circuit over injector terminals,Cylinder 2 Injector Circuit Low
- P0216 IV non-fueling voltage error,Injector/Injection Timing Control Circuit
- P0101 MAF ratio deviation above maximum threshold 0 ,Mass or Volume Air Flow Sensor A Circuit Range/Performance
- P0101 MAF ratio deviation above maximum threshold 1 ,Mass or Volume Air Flow Sensor A Circuit Range/Performance
- P0101 MAF ratio deviation below minimum threshold 0 ,Mass or Volume Air Flow Sensor A Circuit Range/Performance
- P0101 MAF ratio deviation below minimum threshold 1 ,Mass or Volume Air Flow Sensor A Circuit Range/Performance
- P0104 MAF frequency signal short to ground,Mass or Volume Air Flow Sensor A Circuit Intermittent
- P0101 MAF frequency out of range - Max,Mass or Volume Air Flow Sensor A Circuit Range/Performance
- P0069 Offset check between MAP and AMP before engine start - Max,Manifold Absolute Pressure - Barometric Pressure Correlation
- P0069 Offset check between MAP and AMP before engine start - Min,Manifold Absolute Pressure -

Barometric Pressure Correlation

- P0236 MAP sensor signal gradient not plausible,Turbocharger/Supercharger Boost Sensor A Circuit Range/Performance
- P0170 Fault in minimum fuel mass adaption ,Fuel Trim - Bank 1
- P0301 Cylinder 1,Cylinder 1 Misfire Detected
- P0303 Cylinder 3,Cylinder 3 Misfire Detected
- P0304 Cylinder 4,Cylinder 4 Misfire Detected
- P0302 Cylinder 2,Cylinder 2 Misfire Detected
- P0602 ECU is in Production Mode ,Control Module Programming Error
- P060A Error detected by processor monitoring - ROM error on MC,Internal Control Module Monitoring Processor Performance
- P060A Error detected by processor monitoring - RAM error on MC,Internal Control Module Monitoring Processor Performance
- P060A Error detected by processor monitoring - SOPC error/ unspecific level 3 error ,Internal Control Module Monitoring Processor Performance
- P060A Error detected by processor monitoring - FS-IST error on MU ,Internal Control Module Monitoring Processor Performance
- P061C Failur of Monitoring for Engine Speed ,Internal Control Module Engine RPM Performance
- P0219 Engine speed too high ,Engine Overspeed Condition
- P0219 Maximum engin speed level 1 reached ,Engine Overspeed Condition
- P0219 Maximum engin speed level 2 reached ,Engine Overspeed Condition
- P228C PFU control at maximum,Fuel Pressure Regulator 1 Exceeded Control Limits - Pressure Too Low
- P228D PFU control at minimum, VCV open,Fuel Pressure Regulator 1 Exceeded Control Limits - Pressure Too High
- P0088 Critical PFU,Fuel Rail/System Pressure - Too High
- P0087 PFU low during start,Fuel Rail/System Pressure - Too Low
- P0194 Gradient check of fuel pressure sensor,Fuel Rail Pressure Sensor A Circuit Intermittent/Erratic
- P0524 Oil pressure warning,Engine Oil Pressure Too Low
- P062B Fault concerning Post Injections present,Internal Control Module Fuel Injector Control Performance
- P062D Fault with filtering of piezo powerstage device diagnostic,Fuel Injector Driver Circuit Performance - Bank 1
- P062D Fault with filtering of Piezo powerstage init diagnostic,Fuel Injector Driver Circuit Performance - Bank 1
- P0299 PUT control deviation above maximum ,Turbocharger/Supercharger A Underboost Condition
- P0234 PUT control deviation below minumum ,Turbocharger/Supercharger A Overboost Condition
- P2299 Plausibility error pedal value sensor/brake ,Brake Pedal Position/Accelerator Pedal Position Incompatible
- P0123 PVS channel 1: check of upper range ,Throttle/Pedal Position Sensor/Switch A Circuit High

- P0223 PVS channel 2: check of upper range ,Throttle/Pedal Position Sensor/Switch B Circuit High
- P0122 PVS channel 1: check of lower range ,Throttle/Pedal Position Sensor/Switch A Circuit Low
- P0222 PVS channel 2: check of lower range ,Throttle/Pedal Position Sensor/Switch B Circuit Low
- P060D Logical variable for different PVS diagnosis between L1 and L2,Internal Control Module Accelerator Pedal Position Performance
- P2299 PVS ratio check ,Brake Pedal Position/Accelerator Pedal Position Incompatible
- P0027 Exhaust Retarder - Open Circuit ,Exhaust Valve Control Solenoid Circuit Range/Performance - Bank 1
- P0027 Exhaust Retarder - Short Circuit to Ground,Exhaust Valve Control Solenoid Circuit Range/Performance - Bank 1
- P0027 Exhaust Retarder - Short Circuit to Power ,Exhaust Valve Control Solenoid Circuit Range/Performance - Bank 1
- P0688 Main relay switch on too slow ,ECM/PCM Power Relay Sense Circuit/Open
- P068B Main relay OFF output diagnostic plausibility ,ECM/PCM Power Relay De-Energized Performance - Too Late
- P068A Main relay OFF output diagnostic plausibility ,ECM/PCM Power Relay De-Energized Performance - Too Early
- P0606 Serial peripheral interface bus is faulty - Detected symptom SPI-busdiagnosis for Multi-powerstage,Control Module Processor
- P011C TBA - TIA Above maximum threshold (Cold Start),Charge Air Cooler Temperature/Intake Air Temperature Correlation - Bank 1
- P011C TBA - TIA Below minimum threshold (Cold Start),Charge Air Cooler Temperature/Intake Air Temperature Correlation - Bank 1
- P0217 Engine coolant temperature level 1 exceeded ,Engine Coolant Over Temperature Condition
- P0217 Engine coolant temperature level 2 exceeded ,Engine Coolant Over Temperature Condition
- P0217 Engine coolant temperature level 3 exceeded ,Engine Coolant Over Temperature Condition
- P0119 Coolant temperature gradient check,Engine Coolant Temperature Sensor 1 Circuit Intermittent
- P0119 Engine coolant temperature sensor plausibility check for rise in temperature after warm up,Engine Coolant Temperature Sensor 1 Circuit Intermittent
- P0667 ECU temperature sensor: gradient check,Control Module Internal Temperature Sensor A Range/Performance
- P0667 ECU temperature sensor: gradient check,Control Module Internal Temperature Sensor A Range/Performance
- P0634 ECU temperature sensor: overtemperature check ,Control Module Internal Temperature A Too High
- P0634 ECU temperature sensor: overtemperature check ,Control Module Internal Temperature A Too High
- P0114 TIA - Air temperature sensors signal gradient not plausible for sensor j,Intake Air Temperature Sensor 1 Circuit Intermittent - Bank 1
- P0099 TBA - Air temperature sensors signal gradient not plausible for sensor j,Intake Air Temperature Sensor 2 Circuit Intermittent/Erratic - Bank 1

- P0113 TIA - Air temperature sensors signal above maximum threshold for sensor j ,Intake Air Temperature Sensor 1 Circuit High - Bank 1
- P0098 TBA - Air temperature sensors signal above maximum threshold for sensor j ,Intake Air Temperature Sensor 2 Circuit High - Bank 1
- P0112 TIA - Air temperature sensors signal below minimum threshold for sensor j ,Intake Air Temperature Sensor 1 Circuit Low - Bank 1
- P0097 TBA - Air temperature sensors signal below minimum threshold for sensor j ,Intake Air Temperature Sensor 2 Circuit Low - Bank 1
- P0168 Fuel Temperature High Critical,Fuel Temperature Too High
- P0184 Fuel temperature sensor gradient check,Fuel Temperature Sensor A Circuit Intermittent
- P0111 Intake Air temperature above maximum threshold,Intake Air Temperature Sensor 1 Circuit Range/Performance - Bank 1
- P007A Intake Manifold temperature above maximum threshold ,Charge Air Cooler Temperature Sensor Circuit - Bank 1
- P0111 Intake Air temperature below minimum threshold,Intake Air Temperature Sensor 1 Circuit Range/Performance - Bank 1
- P007A Intake Manifold temperature below minimum threshold ,Charge Air Cooler Temperature Sensor Circuit - Bank 1
- P062B Fault concerning ignition timing,Internal Control Module Fuel Injector Control Performance
- P061A Fault present in engine speed limitation,Internal Control Module Torque Performance
- P2229 Ambient pressure sensor: range check Max,Barometric Pressure Sensor A Circuit High
- P2228 Ambient pressure sensor: range check Min,Barometric Pressure Sensor A Circuit Low
- P0A10 DCDC voltage to high,DC/DC Converter Status Circuit High
- P0A09 DCDC voltage to low ,DC/DC Converter Status Circuit Low
- P2455 Voltage from differential pressure sensor on particulate filter - Max ,Diesel Particulate Filter Pressure Sensor A Circuit High
- P2454 Voltage from differential pressure sensor on particulate filter - Min ,Diesel Particulate Filter Pressure Sensor A Circuit Low
- P02EE Voltage range check - Max ,Cylinder 1 Injector Circuit Range/Performance
- P02EE Voltage range check - Min ,Cylinder 1 Injector Circuit Range/Performance
- P02F0 Voltage range check - Max ,Cylinder 3 Injector Circuit Range/Performance
- P02F0 Voltage range check - Min ,Cylinder 3 Injector Circuit Range/Performance
- P02F1 Voltage range check - Max ,Cylinder 4 Injector Circuit Range/Performance
- P02F1 Voltage range check - Min ,Cylinder 4 Injector Circuit Range/Performance
- P02EF Voltage range check - Max ,Cylinder 2 Injector Circuit Range/Performance
- P02EF Voltage range check - Min ,Cylinder 2 Injector Circuit Range/Performance
- P0108 MAP sensor signal range check - Max ,Manifold Absolute Pressure/Barometric Pressure Sensor Circuit High

- P0107 MAP sensor signal range check - Min ,Manifold Absolute Pressure/Barometric Pressure Sensor Circuit Low
- P0669 ECU temperature sensor: range check - Max ,Control Module Internal Temperature Sensor A Circuit High
- P0668 ECU temperature sensor: range check - Min ,Control Module Internal Temperature Sensor A Circuit Low
- P0669 ECU temperature sensor: range check - Max ,Control Module Internal Temperature Sensor A Circuit High
- P0668 ECU temperature sensor: range check - Min ,Control Module Internal Temperature Sensor A Circuit Low
- P0183 Fuel temperature sensor range check - Max ,Fuel Temperature Sensor A Circuit High
- P0182 Fuel temperature sensor range check - Min ,Fuel Temperature Sensor A Circuit Low
- P0643 VCC high diagnostic ,Sensor Reference Voltage A Circuit High
- P0653 VCC high diagnostic ,Sensor Reference Voltage B Circuit High
- P0642 VCC low diagnostic,Sensor Reference Voltage A Circuit Low
- P0652 VCC low diagnostic,Sensor Reference Voltage B Circuit Low
- P0001 Current exceeds maximal limit ,Fuel Volume Regulator Control Circuit/Open
- P0003 Short circuit to ground ,Fuel Volume Regulator Control Circuit Low
- P0004 Short circuit to ground ,Fuel Volume Regulator Control Circuit High
- P0192 Bottom limit range check of fuel pressure sensor,Fuel Rail Pressure Sensor A Circuit Low
- P0193 Top limit range check of fuel pressure sensor ,Fuel Rail Pressure Sensor A Circuit High
- P0659 Battery voltage too high,Actuator Supply Voltage A Circuit High
- P2671 Battery voltage too high,Actuator Supply Voltage B Circuit High
- P2686 Battery voltage too high,Actuator Supply Voltage C Circuit High
- P0658 Battery voltage too low ,Actuator Supply Voltage A Circuit Low
- P2670 Battery voltage too low ,Actuator Supply Voltage B Circuit Low

1.1.9.2 TENNECO 7.1 DCU SYSTEM

- P204C Urea Pressure Sensor Out-of-Range Low Check
- P204D Urea Pressure Sensor Out-of-Range High Check
- P20E9 Urea Pressure High
- P20E8 Urea Pressure Low
- P204B Urea pressure rationality high (offset) /Urea pressure rationality low (offset)
- P205C Urea Temperature Sensor Out-of-Range Low Check
- P205D Urea Temp Sensor Out-of-Range High Check
- P203F Urea Level Low
- P2BA7 Urea tank level empty

P203C Urea Level Sensor Out-of-Range Low Check
P203D Urea Level Sensor Out-of-Range High Check
P0545 Exhaust Gas Temperature Sensor Out-of-Range Low Check
P0546 Exhaust Gas Temperature Sensor Out-of-Range High Check
P0547 Exhaust Gas Temperature Sensor Out-of-Range Low Check
P0548 Exhaust Gas Temperature Sensor Out-of-Range High Check
U0029 CAN Bus Timeout
U0028 CAN Bus Off
P2047 Urea Injector Short to Ground Check
P2049 Urea Injector Short to Battery Check
P20BB 1m Line Heater Short to Ground Check
P20BC 1m Line Heater Short to Battery Check
P20C7 Enclosure Heater Short to Ground Check
P20C8 Enclosure Heater Short to Battery Check
P202B Tank Heater Short to Ground Check
P202C Tank Heater Short to Battery Check
P209F Coolant Valve Stuck Open
P208B Failure to Prime
P20EE SCR efficiency monitor
P1D18 Excessive NOx monitor
P2201 NOx Sensor Tampering
P2200 NOx Sensor Error
P0642 5V Reference Low Check
P0643 5V Reference High Check
P0562 Battery Voltage Low Check
P0563 Battery Voltage High Check
P1D30 Unheated Freeze
P2080 Exhaust Gas Temperature Low\EGT Sensor Stuck-In-Range High
P2081 Exhaust Gas Temperature Low\EGT Sensor Stuck-In-Range High
P208C Urea Pump Short to Ground Check
P208D Urea Pump Short to Battery Check
P20F5 Urea Consumption High
P20F4 Urea Consumption Low

1.1.10 Chao Chai Engine Series

1.1.10.1 Chao Chai Engine System

P2519	Fault Path of Air Condition Power Stage. CAN Msg. TimeOut Error
P2519	Fault Path of Air Condition Power Stage. Non-Plausible CAN Msg. Value
P060B	Error Status of ADC Monitoring. SRC-High Error of ADC Reference Voltage
P060B	Error Status of ADC Monitoring. SRC-Low Error of ADC Reference Voltage
P060B	Error Status of ADC Monitoring. Test Impulse Error
P060B	Error Status of ADC Monitoring. ADC Queue Error
P0113	Intake Air Temperature Sensor. Voltage Above Upper Limit
P0112	Intake Air Temperature Sensor. Voltage Below Lower Limit
P0101	Error Path For Plausibility Check of Offset Drift of Airmass. Airmass ADC Raw Value > Threshold High
P0101	Error Path For Plausibility Check of Offset Drift of Airmass. Airmass ADC Raw Value < Threshold Low
P0103	Fault Path For Plausibility Check of Sensitivity Drift of Airmass. Airmass Ratio is Higher Than Threshold High
P0102	Fault Path For Plausibility Check of Sensitivity Drift of Airmass. Airmass Ratio is Lower Than Threshold Low
P0103	Error Path For Signal Range Check of Airmass. Voltage Above Upper Limit
P0102	Error Path For Signal Range Check of Airmass. Voltage Below Lower Limit
P0123	Fault Path of Accelerator Pedal 1. Voltage Above Upper Limit
P0122	Fault Path of Accelerator Pedal 1. Voltage Below Lower Limit
P2135	Fault Path of Accelerator Pedal 1. Plausibility With APP2 Violated
P0223	Fault Path of Accelerator Pedal 2. Voltage Above Upper Limit
P0222	Fault Path of Accelerator Pedal 2. Voltage Below Lower Limit
P2135	Fault Path of Accelerator Pedal 2. Plausibility With APP1 Violated
P2229	Error Path of Atmospheric Pressure Sensor. Voltage Above Upper Limit
P2228	Error Path of Atmospheric Pressure Sensor. Voltage Below Lower Limit
P2226	Error Path of Atmospheric Pressure Sensor. Signal Value From CAN Not Ok
P2227	Error Path of Atmospheric Pressure Sensor. Not Plausible With Boost Pressure Sensor
P0649	Error Path For the Adjustable Speed Limit Lamp. Short Circuit Battery
P0649	Error Path For the Adjustable Speed Limit Lamp. Short Circuit Ground
P0649	Error Path For the Adjustable Speed Limit Lamp. No Load
P0649	Error Path For the Adjustable Speed Limit Lamp. Excess Temperature
P2299	Error Path For AccPed and Brake Plausibility. AccPed Signal Not Plausible
P0402	AirCtl Permanent Positive Governor Deviation. Positive Governor Deviation Above Limit

P0401	AirCtl Permanent Negative Governor Deviation. Negative Governor Deviation Below Limit
P0640	Grid Heaters Always Switched On. Multi Signal Defect
P1020	Fault Path1 of Air Heater Test Switch On. Voltage Difference Exceeds the Higher Threshold
P1021	Fault Path1 of Air Heater Test Switch On. Voltage Difference Falls Below the Lower Threshold
P1022	Fault Path2 of Air Heater Test Switch Off. Voltage Difference Exceeds the Higher Threshold
P1023	Fault Path2 of Air Heater Test Switch Off. Voltage Difference Falls Below the Lower Threshold
P0542	Error Path of Power Stage Air Heater 1 Actuator. Short Circuit to Battery
P0541	Error Path of Power Stage Air Heater 1 Actuator. Short Circuit to Ground
P0543	Error Path of Power Stage Air Heater 1 Actuator. No Load
P0048	Fault Path For Short Circuit to Battery For BPA Power Stage. Short Circuit Battery
P0047	Fault Path For Short Circuit to Ground For BPA Power Stage. Short Circuit Ground
P0045	Fault Path For No Load and Excess Temperature For BPA Power Stage. No Load
P0046	Fault Path For No Load and Excess Temperature For BPA Power Stage. Excess Temperature
P0238	Error Path For Boost Pressure Sensor. Voltage Above Upper Limit
P0237	Error Path For Boost Pressure Sensor. Voltage Below Lower Limit
P0235	Error Path For Boost Pressure Sensor. Signal Value From CAN Not Ok
P0236	Error Path For Boost Pressure Sensor. Plausibility Error
P0563	Battery Voltage Fault. Voltage Above Upper Limit
P0562	Battery Voltage Fault. Voltage Below Lower Limit
P0571	Error Path For Brake Signal. Brake Signal is Defective
P0504	Error Path For Brake Signal. Brake Signals Not Plausible
P022C	Error Path of Intercooler Bypass Valve Powerstage. Short Circuit to Battery
P022B	Error Path of Intercooler Bypass Valve Powerstage. Short Circuit to Ground
P022A	Error Path of Intercooler Bypass Valve Powerstage. No Load
P2559	Error Path For Coolant Level Sensor. Voltage Above Upper Limit
P2558	Error Path For Coolant Level Sensor. Voltage Below Lower Limit
P2556	Error Path For Coolant Level Sensor. Open Circuit
P2557	Error Path For Coolant Level Sensor. Plausibility Error
P0080	Fault Path of CRERCD Condition Power Stage. Short Circuit Battery
P0079	Fault Path of CRERCD Condition Power Stage. Short Circuit Ground
P1633	Fault Path of CRERCD Condition Power Stage. No Load
P1634	Fault Path of CRERCD Condition Power Stage. Excess Temperature
P1635	Error Path For the Cold Start Lamp. Short Circuit Battery
P1636	Error Path For the Cold Start Lamp. Short Circuit Ground
P1637	Error Path For the Cold Start Lamp. No Load
P1638	Error Path For the Cold Start Lamp. Excess Temperature
P0118	Error Path of Coolant Temperature Sensor. Voltage Above Upper Limit
P0117	Error Path of Coolant Temperature Sensor. Voltage Below Lower Limit

- P0115 Error Path of Coolant Temperature Sensor. Can Msg. Value Defect
- P0116 Error Path of Coolant Temperature Sensor. Plausibility Defect Between OTS and CTS
- P0116 Coolant Temperature Sensor Absolute Test. Minimum Temperature Not Reached Within Time Limit
- P0116 Coolant Temperature Sensor Dynamic Test. Minimum Temperature Raise Not Reached Within Time Limit
- P0301 Error Path For Misfire Cylinder 1. Number of Recognized Misfire Events Above Limit
- P0302 Error Path For Misfire Cylinder 2. Number of Recognized Misfire Events Above Limit
- P0303 Error Path For Misfire Cylinder 3. Number of Recognized Misfire Events Above Limit
- P0304 Error Path For Misfire Cylinder 4. Number of Recognized Misfire Events Above Limit
- P0305 Error Path For Misfire Cylinder 5. Number of Recognized Misfire Events Above Limit
- P0306 Error Path For Misfire Cylinder 6. Number of Recognized Misfire Events Above Limit
- P0300 Error Path For Misfire In Multiple Cylinders. Number of Recognized Misfire Events Above Limit
- P0856 Physical Plausibility DCS. Physical Unplausibility of DCS-Demand
- P161F Faultpath For Compression Test.
- P0704 Diagnostic Fault Path Signals Errors of Main Clutch Signal. CAN Clutch Signal is Not Defined
- P0704 Diagnostic Fault Path Signals Errors of Main Clutch Signal. Clutch Signal is Not Plausible
- P0073 Error Path of Environment Air Temperature Sensor. Voltage Above Upper Limit
- P0072 Error Path of Environment Air Temperature Sensor. Voltage Below Lower Limit
- P0071 Error Path of Environment Air Temperature Sensor. Signal Error, Only In Case of CAN
- P1505 Error Path of BET Temperature Sensor. Voltage Above Upper Limit
- P1506 Error Path of BET Temperature Sensor. Voltage Below Lower Limit
- P1507 Error Path of ClgZn Temperature Sensor. Voltage Above Upper Limit
- P1508 Error Path of ClgZn Temperature Sensor. Voltage Below Lower Limit
- P1509 Error Path of Inside Air Temperature Sensor. Voltage Above Upper Limit
- P150A Error Path of Inside Air Temperature Sensor. Voltage Below Lower Limit
- P1639 Fault Path For Engine Brake Pre-Selection Switch Status. Low Idle and Service Brake Pre-Selection Switch Inputs are Not Plausible
- P245D Error Path of Power Stage For EGR Bypass Valve Actuator. Short Circuit to Battery/ Excess Temperature
- P245C Error Path of Power Stage For EGR Bypass Valve Actuator. Short Circuit to Ground
- P245A Error Path of Power Stage For EGR Bypass Valve Actuator. No Load
- P2530 Fault Path 1 For Engine Compartment Start Button. Button is Stucked
- P0473 Error Path For Exhaust Gas Pipe Pressure Sensor. Voltage Above Upper Limit
- P0472 Error Path For Exhaust Gas Pipe Pressure Sensor. Voltage Below Lower Limit
- P0470 Error Path For Exhaust Gas Pipe Pressure Sensor. Plausibility Error
- P0490 Fault Path For Short Circuit to Battery For EGR Power Stage. Short Circuit Battery
- P0489 Fault Path For Short Circuit to Ground For EGR Power Stage. Short Circuit Ground
- P0404 Fault Path For No Load and Excess Temperature For EGR Power Stage. No Load

P0403	Fault Path For No Load and Excess Temperature For EGR Power Stage. Excess Temperature
P0008	If Running With Cam-Shaft Only is Active the Fault Path is Set. BackUp Mode Active
P0340	Error Path of Camshaft Failure. No Camshaft Signal
P0341	Error Path of Camshaft Failure. Wrong Camshaft Signal
P0335	Error Path of Crankshaft Failure. No Crankshaft Signal
P0336	Error Path of Crankshaft Failure. Wrong Crankshaft Signal
P0016	Error Path of Offset Between Camshaft and Crankshaft. Offset Between Camshaft and Crankshaft
P0219	Fault Path of Engine Protection. Overspeed Detected
P0478	Error Path For Short Circuit to Batt of Power Stage For Exhaust Flap Actuator. Short Circuit to Battery/ Excess Temperature
P0477	Error Path Short Circuit to Ground of Power Stage For Exhaust Flap Actuator. Short Circuit to Ground
P0476	Error Path For Open Circuit and Excess Temperature of Exhaust Flap Actuator. No Load
P0476	Error Path For Open Circuit and Excess Temperature of Exhaust Flap Actuator. Excess Temperature
P1007	Fault FMTC_Trq2QBas_MAP Contains Non Strictly Monotonous Q Curves. Not Plausible Fault
P0183	FaultPath For Fuel Temperature Sensor. Voltage Above Upper Limit
P0182	FaultPath For Fuel Temperature Sensor. Voltage Below Lower Limit
P0692	Error Path of Power Stage Fan Actuator. Short Circuit to Battery
P0691	Error Path of Power Stage Fan Actuator. Short Circuit to Ground
P0480	Error Path of Power Stage Fan Actuator. No Load
P0483	Error Path of Power Stage Fan Actuator. Excess Temperature
P0694	Error Path of Power Stage Fan 2 Actuator. Short Circuit to Battery
P0693	Error Path of Power Stage Fan 2 Actuator. Short Circuit to Ground
P0481	Error Path of Power Stage Fan 2 Actuator. No Load
P0526	Error Path of Fan Speed Sensor Signal. Short Circuit to Battery
P0527	Error Path of Fan Speed Sensor Signal. Short Circuit to Ground
P1015	Fuel Filter Fouling Switch. Voltage Above Upper Limit
P1016	Fuel Filter Fouling Switch. Voltage Below Lower Limit
P1017	Fuel Filter Fouling Switch. Fuel Filter Fouling Switch Not Plausible
P1008	Fault Path For Fuel Filter Heating Output. Short Circuit Battery
P1009	Fault Path For Fuel Filter Heating Output. Short Circuit Ground
P100A	Fault Path For Fuel Filter Heating Output. No Load
P100B	Fault Path For Fuel Filter Heating Output. Excess Temperature
P2267	Water In Fuel Sensor. Voltage Above Upper Limit
P2266	Water In Fuel Sensor. Voltage Below Lower Limit
P1018	Fuel Filter Fouling Detection. Fuel Filter Fouled
P2269	Dfp For Water Detection Sensor. Set When Sensor is Active
P0406	Dfp For Heater Used In EGR Mass Flow Rate. Sensor Short Circuit to Battery
P0405	Dfp For Heater Used In EGR Mass Flow Rate. Sensor Short Circuit to Ground

P0409 Dfp For Heater Used In EGR Mass Flow Rate. Sensor Open

P0409 Dfp For Heater Used In EGR Mass Flow Rate. Defective Intelligent Device

P040D Dfp For Recirculated Engine Exhaust Gas Temperature Sensor. Sensor Short Circuit to Battery

P040C Dfp For Recirculated Engine Exhaust Gas Temperature Sensor. Sensor Short Circuit to Ground

P040A Dfp For Recirculated Engine Exhaust Gas Temperature Sensor. Sensor Open

P040B Dfp For Recirculated Engine Exhaust Gas Temperature Sensor. Defective Intelligent Device

U0158 Dfp For Message DashDspl. Timeout For DashDspl

P0000 Faults of CAN Message EBC1. Timeout of CAN Message EBC1

U1100 Dfp For Message ERC1DR. Timeout For ERC1DR

U0103 Faults of CAN Message ETC1. Timeout of CAN Message ETC1

U0113 Dfp For CAN Message EngGsFlowRt. Timeout For EngGsFlowRt

U1101 Dfp Timeout For Message HRVD. Timeout For HRVD

U0156 Df P For Message RxAMCON. Timeout For RxAMCON

U0104 Dfp For Time-Out Error of RxCCVS Message. Fadeout is Inactive and Time-Out of Message

U1102 Dfp For CAN Message RxEngTemp2. Timeout For RxEngTemp2

U0157 Faults of CAN Message TCO1. Timeout of CAN Message TCO1

U1103 Dfp For Message TF. Timeout For TF

U1104 Dfp For Messages TSC1-AE. Timeout For TSC1-AE, When Active

U1105 Dfp For Messages TSC1-AE. Timeout For TSC1-AE, When Inactive

U1106 Dfp For Message TSC1-AR. Timeout For TSC1-AR, When Active

U1107 Dfp For Message TSC1-AR. Timeout For TSC1-AR, When Inactive

U1108 Dfp For Messages TSC1-DE. Timeout For TSC1-DE, When Active

U1109 Dfp For Messages TSC1-DE. Timeout For TSC1-DE, When Inactive

U110A Dfp For Message TSC1-DR. Timeout For TSC1-DR, When Active

U110B Dfp For Message TSC1-DR. Timeout For TSC1-DR, When Inactive

U110C Dfp For Message TSC1-PE. Timeout For TSC1-PE, When Active

U110D Dfp For Message TSC1-PE. Timeout For TSC1-PE, When Inactive

U110E Dfp For Messages TSC1-TE. Timeout For TSC1-TE, When Active

U110F Dfp For Messages TSC1-TE. Timeout For TSC1-TE, When Inactive

U113A Dfp For Message TSC1-TR. Timeout For TSC1-TR, When Active

U113B Dfp For Message TSC1-TR. Timeout For TSC1-TR, When Inactive

U1110 Dfp For Messages TSC1-VE. Timeout For TSC1-VE, When Active

U1111 Dfp For Messages TSC1-VE. Timeout For TSC1-VE, When Inactive

U1112 Dfp For Message TSC1-VR. Timeout For TSC1-VR, When Active

U1113 Dfp For Message TSC1-VR. Timeout For TSC1-VR, When Inactive

U1114 Dfp Timeout For Message TimeDate. Timeout For TimeDate

U1115 Faults of CAN Message WSI. Timeout of CAN Message WSI

U0001 Faults In CAN Send Messages. Timeout In CAN Send Messages

U0404	Physical Plausibility TSC. Physical Unplausibility of TSC-Demand
P1623	Power Stage Fault Status For Generic Lamp 1. Short Circuit Battery
P1624	Power Stage Fault Status For Generic Lamp 1. Short Circuit Ground
P1625	Power Stage Fault Status For Generic Lamp 1. No Load
P1626	Power Stage Fault Status For Generic Lamp 1. Excess Temperature
P1627	Power Stage Fault Status For Generic Lamp 2. Short Circuit Battery
P1628	Power Stage Fault Status For Generic Lamp 2. Short Circuit Ground
P1629	Power Stage Fault Status For Generic Lamp 2. No Load
P162A	Power Stage Fault Status For Generic Lamp 2. Excess Temperature
P162B	Power Stage Fault Status For Generic Lamp 3. Short Circuit Battery
P162C	Power Stage Fault Status For Generic Lamp 3. Short Circuit Ground
P162D	Power Stage Fault Status For Generic Lamp 3. No Load
P162E	Power Stage Fault Status For Generic Lamp 3. Excess Temperature
P060A	Error State Communication - SPI. Communication Error of CJ940
P062F	Error State of EEPROM. Error During Last Read Operation
P062F	Error State of EEPROM. Error During Last Write Operation
P062F	Error State of EEPROM. Default Value Used
P0607	Error Path For Recovery Which is Locked. A Recovery has Occurred
P0607	Error Path For Recovery Which is Suppressed. A Recovery has Occurred
P0607	Error Path For Recovery Which is Visible. A Recovery has Occurred
P1607	Error State Supply Voltage CJ940 Upper Limit. Internal Supply Voltage Upper Limit
P1608	Error State Supply Voltage CJ940 Lower Limit. Internal Supply Voltage Lower Limit
P150B	Error Path of Air Humidity Sensor. Ratio Value Above Upper Limit
P150C	Error Path of Air Humidity Sensor. Ratio Value Below Lower Limit
P0098	Error Path of Air Temperature Sensor. Voltage Above Upper Limit
P0097	Error Path of Air Temperature Sensor. Voltage Below Lower Limit
P0099	Error Path of Air Temperature Sensor. CAN Signal Defect
P1300	Fault Path of Injection Limitation. Number of Injections Limited By Charge Balance
P1301	Fault Path of Injection Limitation. Number of Injections Limited By Quantity Balance
P1302	Fault Path of Injection Limitation. Number of Injections Limited By Software
P1203	Faultpath Bank1-Specific Errors -> Stop Engine. Short Circuit
P1204	Faultpath Bank1-Specific Errors -> Stop Engine. Short Circuit On Low Side to Ground
P1205	Faultpath Bank1-Specific Errors -> Stop Engine. Depending On Application
P1206	Faultpath Bank1-Specific Errors -> Stop Engine. Not-Classifyable Error
P1207	Faultpath Bank1-Specific Warnings -> Stop Engine. Depending On Application
P1208	Faultpath Bank1-Specific Warnings -> Stop Engine. Depending On Application
P1209	Faultpath Bank1-Specific Warnings -> Stop Engine. Open Load
P120A	Faultpath Bank1-Specific Warnings -> Stop Engine. Depending On Application

P120B	Faultpath Bank2-Specific Errors -> Stop Engine. Short Circuit
P120C	Faultpath Bank2-Specific Errors -> Stop Engine. Short Circuit On Low Side to Ground
P120D	Faultpath Bank2-Specific Errors -> Stop Engine. Depending On Application
P120E	Faultpath Bank2-Specific Errors -> Stop Engine. Not-Classifyable Error
P120F	Faultpath Bank2-Specific Warnings -> Stop Engine. Depending On Application
P1210	Faultpath Bank2-Specific Warnings -> Stop Engine. Depending On Application
P1211	Faultpath Bank2-Specific Warnings -> Stop Engine. Open Load
P1212	Faultpath Bank2-Specific Warnings -> Stop Engine. Depending On Application
P062B	Faultpath Chip-Specific Errors -> Stop Engine. CY33X Internal Reset / Clockloss / Undervoltage
P062B	Faultpath Chip-Specific Errors -> Stop Engine. CY33X is Unlocked / CY33X Init Error
P062B	Faultpath Chip-Specific Errors -> Stop Engine. CY33X is In Testmode
P062B	Faultpath Chip-Specific Errors -> Stop Engine. CY33X SPI Communication Error /Checksum/Readback
P062B	Faultpath Chip-Specific Errors -> Stop Engine. CY33X Internal Parity Error
P062B	Faultpath Chip-Specific Errors -> Stop Engine. CY33X Internal Program Flow Error
P062B	Faultpath Chip-Specific Errors -> Stop Engine. CY33X Check of Inv. YSEL During ON Failed
P062B	Faultpath Chip-Specific Errors -> Stop Engine. CY33X ON Timeout For At Least 1 Cylinder
P0262	Faultpath Cylinder1-Specific Errors -> Stop Engine. Short Circuit On Low Side to Battery
P0263	Faultpath Cylinder1-Specific Errors -> Stop Engine. Depending On Application
P0261	Faultpath Cylinder1-Specific Errors -> Stop Engine. Short Circuit Low Side to High Side
P0263	Faultpath Cylinder1-Specific Errors -> Stop Engine. Not-Classifyable Error
P1213	Faultpath Cylinder1-Specific Warnings. Depending On Application
P1214	Faultpath Cylinder1-Specific Warnings. Depending On Application
P0201	Faultpath Cylinder1-Specific Warnings. Open Load
P1215	Faultpath Cylinder1-Specific Warnings. Depending On Application
P0265	Faultpath Cylinder2-Specific Errors -> Stop Engine. Short Circuit On Low Side to Battery
P0266	Faultpath Cylinder2-Specific Errors -> Stop Engine. Depending On Application
P0264	Faultpath Cylinder2-Specific Errors -> Stop Engine. Short Circuit Low Side to High Side
P0266	Faultpath Cylinder2-Specific Errors -> Stop Engine. Not-Classifyable Error
P1216	Faultpath Cylinder2-Specific Warnings. Depending On Application
P1217	Faultpath Cylinder2-Specific Warnings. Depending On Application
P0202	Faultpath Cylinder2-Specific Warnings. Open Load
P1218	Faultpath Cylinder2-Specific Warnings. Depending On Application
P0268	Faultpath Cylinder3-Specific Errors -> Stop Engine. Short Circuit On Low Side to Battery
P0269	Faultpath Cylinder3-Specific Errors -> Stop Engine. Depending On Application
P0267	Faultpath Cylinder3-Specific Errors -> Stop Engine. Short Circuit Low Side to High Side
P0269	Faultpath Cylinder3-Specific Errors -> Stop Engine. Not-Classifyable Error
P1219	Faultpath Cylinder3-Specific Warnings. Depending On Application
P121A	Faultpath Cylinder3-Specific Warnings. Depending On Application

P0203	Faultpath Cylinder3-Specific Warnings. Open Load
P121B	Faultpath Cylinder3-Specific Warnings. Depending On Application
P0271	Faultpath Cylinder4-Specific Errors -> Stop Engine. Short Circuit On Low Side to Battery
P0272	Faultpath Cylinder4-Specific Errors -> Stop Engine. Depending On Application
P0270	Faultpath Cylinder4-Specific Errors -> Stop Engine. Short Circuit Low Side to High Side
P0272	Faultpath Cylinder4-Specific Errors -> Stop Engine. Not-Classifyable Error
P121C	Faultpath Cylinder4-Specific Warnings. Depending On Application
P121D	Faultpath Cylinder4-Specific Warnings. Depending On Application
P0204	Faultpath Cylinder4-Specific Warnings. Open Load
P121E	Faultpath Cylinder4-Specific Warnings. Depending On Application
P0274	Faultpath Cylinder5-Specific Errors -> Stop Engine. Short Circuit On Low Side to Battery
P0275	Faultpath Cylinder5-Specific Errors -> Stop Engine. Depending On Application
P0273	Faultpath Cylinder5-Specific Errors -> Stop Engine. Short Circuit Low Side to High Side
P0275	Faultpath Cylinder5-Specific Errors -> Stop Engine. Not-Classifyable Error
P121F	Faultpath Cylinder5-Specific Warnings. Depending On Application
P1220	Faultpath Cylinder5-Specific Warnings. Depending On Application
P0205	Faultpath Cylinder5-Specific Warnings. Open Load
P1221	Faultpath Cylinder5-Specific Warnings. Depending On Application
P0277	Faultpath Cylinder6-Specific Errors -> Stop Engine. Short Circuit On Low Side to Battery
P0278	Faultpath Cylinder6-Specific Errors -> Stop Engine. Depending On Application
P0276	Faultpath Cylinder6-Specific Errors -> Stop Engine. Short Circuit Low Side to High Side
P0278	Faultpath Cylinder6-Specific Errors -> Stop Engine. Not-Classifyable Error
P1222	Faultpath Cylinder6-Specific Warnings. Depending On Application
P1223	Faultpath Cylinder6-Specific Warnings. Depending On Application
P0206	Faultpath Cylinder6-Specific Warnings. Open Load
P1224	Faultpath Cylinder6-Specific Warnings. Depending On Application
P1225	Faultpath - The Minimal Number of Injections Was Not Reached -> Stop Engine. The Minimal Number of Injections Was Not Reached
P0000	Faultpath - The Minimal Number of Injections Was Not Reached -> Stop Engine. Not Used
P0000	Faultpath - The Minimal Number of Injections Was Not Reached -> Stop Engine. Not Used
P0000	Faultpath - The Minimal Number of Injections Was Not Reached -> Stop Engine. Not Used
P0564	Fault Path For Cruise Control Actuating Device Evaluation Error. Invalid Switch Combinations
P0650	Power Stage Fault Status For MIL. Short Circuit Battery
P0650	Power Stage Fault Status For MIL. Short Circuit Ground
P0650	Power Stage Fault Status For MIL. No Load
P0650	Power Stage Fault Status For MIL. Excess Temperature
P0687	Error Path For Main Relay. Main Relay Does Not Open In Time
P0686	Error Path For Main Relay. Main Relay Opens Too Early

- P154A Error Path of Multiple State Switch. Short Circuit to Battery
- P154B Error Path of Multiple State Switch. Short Circuit to Ground
- P154C Error Path of Multiple State Switch. Multiple State Switch Not Plausible
- P160E Error Path For Main Relay 1. Short Circuit to Battery Error
- P160F Error Path For Main Relay 1. Short Circuit to Ground Error
- P060C The Fault Path Contains the Supervision of the Communication Between Watchdog of CY310 and the Controller. The Path is Used to Handle the Reversible Shut-Down of the System Using the Engine Coordinator. Set, If Error-Counter of Watchdog Or Controller are Not Plausible Or the System Must Shut Down
137
- U0029 Busoff In CAN A. Busoff In CAN A
- U0038 Busoff In CAN B. Busoff In CAN B
- U0047 Busoff In CAN C. Busoff In CAN C
- P250D Error Path For Engine Oil Level Sensor. Voltage Above Upper Limit
- P250C Error Path For Engine Oil Level Sensor. Voltage Below Lower Limit
- P250A Error Path For Engine Oil Level Sensor. Signal From CAN Not OK
- P250B Error Path For Engine Oil Level Sensor. Plausibility Error
- P0523 Error Path of Oil Pressure Sensor. Voltage Above Upper Limit
- P0522 Error Path of Oil Pressure Sensor. Voltage Below Lower Limit
- P0520 Error Path of Oil Pressure Sensor. Hardware Signal Error
- P0521 Error Path of Oil Pressure Sensor. Plausibility Check - Oil Pressure Too High
- P0524 Error Path For Oil Pressure Too Low Error. Plausibility Check - Oil Pressure Too Low
- P0198 Error Path of Oil Temperature Sensor. Voltage Above Upper Limit
- P0197 Error Path of Oil Temperature Sensor. Voltage Below Lower Limit
- P0195 Error Path of Oil Temperature Sensor. Signal Error For CAN
- P100D Error Path of Oil Temperature Sensor. Plausibility Error Between OTS and CTS
- P0196 Error Path of Oil Temperature Sensor For Above Normal Error. Plausibility Error OTS Temperature Above Normal
- P1613 Fault Path of Overrun Monitoring. Energising Time Exceeds Limit of Overrun Monitoring
- P1614 Fault Path For Redundant Engine Speed Calculation In Overrun Monitoring. Plausibility Error In Engine Speed Check
- P2263 Permanent Governor Deviation In PCR. Positive Governor Deviation Above Limit
- P2263 Permanent Governor Deviation In PCR. Negative Governor Deviation Below Limit
- P0629 Error Path of Power Stage Pre-Supply Pump. Short Circuit Battery
- P0628 Error Path of Power Stage Pre-Supply Pump. Short Circuit Ground
- P0627 Error Path of Power Stage Pre-Supply Pump. No Load
- P062A Error Path of Power Stage Pre-Supply Pump. Excess Temperature
- P1615 Faultpath For Runup Test. Is Set to Deactivate Misfire Detection During Runup Test

- P1616 Fault Path For Test of Redundant Shut Off Paths During Initialization. Watch Dog Switch Off Path Defect
- P1617 Fault Path For Test of Redundant Shut Off Paths During Initialization. Voltage Monitoring Upper Limit Shut Off Path Defect
- P1618 Fault Path For Test of Redundant Shut Off Paths During Initialization. Voltage Monitoring Lower Limit Shut Off Path Defect
- P0643 Sensor Supply Voltage 1. Voltage Above Upper Limit
- P0642 Sensor Supply Voltage 1. Voltage Below Lower Limit
- P0653 Sensor Supply Voltage 2. Voltage Above Upper Limit
- P0652 Sensor Supply Voltage 2. Voltage Below Lower Limit
- P0699 Sensor Supply Voltage 3. Voltage Above Upper Limit
- P0698 Sensor Supply Voltage 3. Voltage Below Lower Limit
- P1621 Faultpath For Shut Off Test.
- P1619 Power Stage Fault Status For System Lamp. Short Circuit Battery
- P161A Power Stage Fault Status For System Lamp. Short Circuit Ground
- P161B Power Stage Fault Status For System Lamp. No Load
- P161C Power Stage Fault Status For System Lamp. Excess Temperature
- P2533 Error Path For Terminal 15 - Contains Plausibility Error [Sig] of T15. No Terminal 15 Signals Detected
- P2530 Fault Path For Terminal 50 Component Driver - T50CD. Terminal 50 Always Pressed
- P0607 TPU Monitoring. Deviation Between TPU and System Time
- P2142 Fault Path For Short Circuit to Battery For TVA Power Stage. Short Circuit Battery
- P2141 Fault Path For Short Circuit to Ground For TVA Power Stage. Short Circuit Ground
- P0487 Fault Path For No Load and Excess Temperature For TVA Power Stage. No Load
- P0488 Fault Path For No Load and Excess Temperature For TVA Power Stage. Excess Temperature
- P0501 Fault Path 1 For Vehicle Speed Sensing. Exceeding of the Maximum Vehicle Speed
- P1510 Fault Path 1 For Vehicle Speed Sensing. Distance Factor Not Learned
- P0500 Fault Path 1 For Vehicle Speed Sensing. HW Signal For Vehicle Speed Not Valid
- P0501 Fault Path 1 For Vehicle Speed Sensing. Vehicle Speed Not Plausible With Injection Mass and Engine Speed
- P2158 Fault Path 2 For Vehicle Speed Sensing. Voltage Monitoring SRC Maximum
- P2160 Fault Path 2 For Vehicle Speed Sensing. Voltage Monitoring SRC Minimum
- P2157 Fault Path 2 For Vehicle Speed Sensing. CAN Signal For Vehicle Speed Not Valid
- P2159 Fault Path 2 For Vehicle Speed Sensing. Voltage Monitoring SRC Not Plausible
- P1511 Fault Path 3 For Vehicle Speed Sensing. Exceeding of the Maximum Pulse Width
- P1512 Fault Path 3 For Vehicle Speed Sensing. Exceeding of the Minimum Pulse Width
- P1513 Fault Path 3 For Vehicle Speed Sensing. HW Signal Frequency is Not Valid
- P161D Errorpath For Dataset Variant Coding, Npl=Requested Variant Could Not be Set, Sig=Variant Dataset Defect. Signal Fault

- P161E Errorpath For Dataset Variant Coding, Npl=Requested Variant Could Not be Set, Sig=Variant Dataset Defect. Not Plausible Fault
- P0607 The Fault Path Contains the Supervision of the SPI-Handler. Set, If SPI-Communication Failed
- P162F Power Stage Fault Status For Warning Lamp. Short Circuit Battery
- P1630 Power Stage Fault Status For Warning Lamp. Short Circuit Ground
- P1631 Power Stage Fault Status For Warning Lamp. No Load
- P1632 Power Stage Fault Status For Warning Lamp. Excess Temperature
- P0647 Fault Path of Air Condition Power Stage. Short Circuit Battery
- P0646 Fault Path of Air Condition Power Stage. Short Circuit Ground
- P0645 Fault Path of Air Condition Power Stage. No Load
- P0645 Fault Path of Air Condition Power Stage. Excess Temperature
- P2608 Error Path of Power Stage Air Heater 2 Actuator. Short Circuit to Battery
- P2607 Error Path of Power Stage Air Heater 2 Actuator. Short Circuit to Ground
- P2606 Error Path of Power Stage Air Heater 2 Actuator. No Load
- P160C HpTst. HpTst Deactivates Rail Pressure Monitoring
- P0251 Error Path of Metering Unit PWM-Powerstage. Open Load of Metering Unit Output
- P0252 Error Path of Metering Unit PWM-Powerstage. Excess Temperature of Metering Unit Powerstage
- P0254 Error Path of Metering Unit PWM-Powerstage. Short Circuit to Battery of Metering Unit Output
- P0253 Error Path of Metering Unit PWM-Powerstage. Short Circuit to Ground of Metering Unit Output
- P025D Error Path of Metering Unit AD-Channel. Signal Range Check High Error of Metering Unit AD-Channel
- P025C Error Path of Metering Unit AD-Channel. Signal Range Check Low Error of Metering Unit AD-Channel
- P100E Error Path of Rail Pressure Relief Valve. PRV Was Recognised As OPEN
- P100F Error Path of Rail Pressure Relief Valve. Pressure Shock Requested
- P1010 Error Path of Rail Pressure Relief Valve. PRV Did Not Open After Pressure Shock
- P1015 Error Path of Rail Pressure Relief Valve, According to Wear of PRV. PRV Was Opended More Often Than the Techn. Specification Allows
- P1016 Error Path of Rail Pressure Relief Valve, According to Wear of PRV. PRV Was Open For A Longer Time Than the Techn. Specification Allows
- P1017 Error Path of Rail Pressure Relief Valve, According to Wear of PRV. PRV Was Open More Often and For A Longer Time Than the Techn. Spec. Allows
- P0193 Error Path of Rail Pressure. Voltage Above Upper Limit
- P0192 Error Path of Rail Pressure. Voltage Below Lower Limit
- P0191 Error Path RPS Offset Monitoring. RPS Raw Value is Above Maximum Offset
- P0191 Error Path RPS Offset Monitoring. RPS Raw Value is Below Minimum Offset
- P1011 Faults For Checks In MeUn Controlled Mode. Maximum Positive Deviation of Rail Pressure Exceeded
- P1012 Faults For Checks In MeUn Controlled Mode. Maximum Positive Deviation of Rail Pressure Exceeded Concerning Set Flow of Fuel

- P1013 Faults For Checks In MeUn Controlled Mode. Maximum Negative Rail Pressure Deviation With Metering Unit On Lower Limit is Exceeded
- P0087 Faults For Checks In MeUn Controlled Mode. Minimum Rail Pressure Exceeded
- P0088 Faults For Checks In MeUn Controlled Mode. Maximum Rail Pressure Exceeded
- P101A Faults For Checks In MeUn Controlled Mode. Rail Pressure Drop Rate is Higher Then Expected
- P1014 Faults For Checks In MeUn Controlled Mode. Setpoint of Metering Unit In Overrun Mode Not Plausible
- P1018 Faults For Checks In MeUn Controlled Mode. Setpoint of Fuel Volume Flow Throught the Metering Unit is Lower Then the Calculated Limit Value
- P1019 Faults For Checks In MeUn Controlled Mode. Maximum Positive Deviation of Governor Exceeded Concerning Set Flow of Fuel
- P0617 Fault Path For the Digital Power Stage of Starter. Short Circuit to Battery
- P0616 Fault Path For the Digital Power Stage of Starter. Short Circuit to Ground
- P0615 Fault Path For the Digital Power Stage of Starter. No Load
- P0615 Fault Path For the Digital Power Stage of Starter. Power Stage Excess Temperature
- P1676 Error Path For Main Relay 2. Main Relay Does Not Open In Time
- P1677 Error Path For Main Relay 2. SCG Error
- P0217 Error Path of Over Coolant Temperature. Coolant Temperature Above Threshold
- P101B Faults For Checks In MeUn Controlled Mode. Error Recognition Via Metering Unit Correcting Variable At Idle
- P2519 Fault Path of Air Condition Power Stage. CAN Msg. TimeOut Error
- P2519 Fault Path of Air Condition Power Stage. Non-Plausible CAN Msg. Value
- P060B Error Status of ADC Monitoring. SRC-High Error of ADC Reference Voltage
- P060B Error Status of ADC Monitoring. SRC-Low Error of ADC Reference Voltage
- P060B Error Status of ADC Monitoring. Test Impulse Error
- P060B Error Status of ADC Monitoring. ADC Queue Error
- P0113 Intake Air Temperature Sensor. Voltage Above Upper Limit
- P0112 Intake Air Temperature Sensor. Voltage Below Lower Limit
- P0101 Error Path For Plausibility Check of Offset Drift of Airmass. Airmass ADC Raw Value > Threshold High
- P0101 Error Path For Plausibility Check of Offset Drift of Airmass. Airmass ADC Raw Value < Threshold Low
- P0103 Fault Path For Plausibility Check of Sensitivity Drift of Airmass. Airmass Ratio is Higher Then Threshold High
- P0102 Fault Path For Plausibility Check of Sensitivity Drift of Airmass. Airmass Ratio is Lower Then Threshold Low
- P0103 Error Path For Signal Range Check of Airmass. Voltage Above Upper Limit
- P0102 Error Path For Signal Range Check of Airmass. Voltage Below Lower Limit
- P0123 Fault Path of Acclerator Pedal 1. Voltage Above Upper Limit

P0122	Fault Path of Accelerator Pedal 1. Voltage Below Lower Limit
P2135	Fault Path of Accelerator Pedal 1. Plausibility With APP2 Violated
P0223	Fault Path of Accelerator Pedal 2. Voltage Above Upper Limit
P0222	Fault Path of Accelerator Pedal 2. Voltage Below Lower Limit
P2135	Fault Path of Accelerator Pedal 2. Plausibility With APP1 Violated
P2229	Error Path of Atmospheric Pressure Sensor. Voltage Above Upper Limit
P2228	Error Path of Atmospheric Pressure Sensor. Voltage Below Lower Limit
P2226	Error Path of Atmospheric Pressure Sensor. Signal Value From CAN Not Ok
P2227	Error Path of Atmospheric Pressure Sensor. Not Plausible With Boost Pressure Sensor
P0649	Error Path For the Adjustable Speed Limit Lamp. Short Circuit Battery
P0649	Error Path For the Adjustable Speed Limit Lamp. Short Circuit Ground
P0649	Error Path For the Adjustable Speed Limit Lamp. No Load
P0649	Error Path For the Adjustable Speed Limit Lamp. Excess Temperature
P2299	Error Path For AccPed and Brake Plausibility. AccPed Signal Not Plausible
P0402	AirCtl Permanent Positive Governor Deviation. Positive Governor Deviation Above Limit
P0401	AirCtl Permanent Negative Governor Deviation. Negative Governor Deviation Below Limit
P0640	Grid Heaters Always Switched On. Multi Signal Defect
P1020	Fault Path1 of Air Heater Test Switch On. Voltage Difference Exceeds the Higher Threshold
P1021	Fault Path1 of Air Heater Test Switch On. Voltage Difference Falls Below the Lower Threshold
P1022	Fault Path2 of Air Heater Test Switch Off. Voltage Difference Exceeds the Higher Threshold
P1023	Fault Path2 of Air Heater Test Switch Off. Voltage Difference Falls Below the Lower Threshold
P0542	Error Path of Power Stage Air Heater 1 Actuator. Short Circuit to Battery
P0541	Error Path of Power Stage Air Heater 1 Actuator. Short Circuit to Ground
P0543	Error Path of Power Stage Air Heater 1 Actuator. No Load
P0048	Fault Path For Short Circuit to Battery For BPA Power Stage. Short Circuit Battery
P0047	Fault Path For Short Circuit to Ground For BPA Power Stage. Short Circuit Ground
P0045	Fault Path For No Load and Excess Temperature For BPA Power Stage. No Load
P0046	Fault Path For No Load and Excess Temperature For BPA Power Stage. Excess Temperature
P0238	Error Path For Boost Pressure Sensor. Voltage Above Upper Limit
P0237	Error Path For Boost Pressure Sensor. Voltage Below Lower Limit
P0235	Error Path For Boost Pressure Sensor. Signal Value From CAN Not Ok
P0236	Error Path For Boost Pressure Sensor. Plausibility Error
P0563	Battery Voltage Fault. Voltage Above Upper Limit
P0562	Battery Voltage Fault. Voltage Below Lower Limit
P0571	Error Path For Brake Signal. Brake Signal is Defective
P0504	Error Path For Brake Signal. Brake Signals Not Plausible
P022C	Error Path of Intercooler Bypass Valve Powerstage. Short Circuit to Battery
P022B	Error Path of Intercooler Bypass Valve Powerstage. Short Circuit to Ground

- P022A Error Path of Intercooler Bypass Valve Powerstage. No Load
- P2559 Error Path For Coolant Level Sensor. Voltage Above Upper Limit
- P2558 Error Path For Coolant Level Sensor. Voltage Below Lower Limit
- P2556 Error Path For Coolant Level Sensor. Open Circuit
- P2557 Error Path For Coolant Level Sensor. Plausibility Error
- P0080 Fault Path of CRERCD Condition Power Stage. Short Circuit Battery
- P0079 Fault Path of CRERCD Condition Power Stage. Short Circuit Ground
- P1633 Fault Path of CRERCD Condition Power Stage. No Load
- P1634 Fault Path of CRERCD Condition Power Stage. Excess Temperature
- P1635 Error Path For the Cold Start Lamp. Short Circuit Battery
- P1636 Error Path For the Cold Start Lamp. Short Circuit Ground
- P1637 Error Path For the Cold Start Lamp. No Load
- P1638 Error Path For the Cold Start Lamp. Excess Temperature
- P0118 Error Path of Coolant Temperature Sensor. Voltage Above Upper Limit
- P0117 Error Path of Coolant Temperature Sensor. Voltage Below Lower Limit
- P0115 Error Path of Coolant Temperature Sensor. Can Msg. Value Defect
- P0116 Error Path of Coolant Temperature Sensor. Plausibility Defect Between OTS and CTS
- P0116 Coolant Temperature Sensor Absolute Test. Minimum Temperature Not Reached Within Time Limit
- P0116 Coolant Temperature Sensor Dynamic Test. Minimum Temperature Raise Not Reached Within Time Limit
- P0301 Error Path For Misfire Cylinder 1. Number of Recognized Misfire Events Above Limit
- P0302 Error Path For Misfire Cylinder 2. Number of Recognized Misfire Events Above Limit
- P0303 Error Path For Misfire Cylinder 3. Number of Recognized Misfire Events Above Limit
- P0304 Error Path For Misfire Cylinder 4. Number of Recognized Misfire Events Above Limit
- P0305 Error Path For Misfire Cylinder 5. Number of Recognized Misfire Events Above Limit
- P0306 Error Path For Misfire Cylinder 6. Number of Recognized Misfire Events Above Limit
- P0300 Error Path For Misfire In Multiple Cylinders. Number of Recognized Misfire Events Above Limit
- P0856 Physical Plausibility DCS. Physical Unplausibility of DCS-Demand
- P161F Faultpath For Compression Test.
- P0704 Diagnostic Fault Path Signals Errors of Main Clutch Signal. CAN Clutch Signal is Not Defined
- P0704 Diagnostic Fault Path Signals Errors of Main Clutch Signal. Clutch Signal is Not Plausible
- P0073 Error Path of Environment Air Temperature Sensor. Voltage Above Upper Limit
- P0072 Error Path of Environment Air Temperature Sensor. Voltage Below Lower Limit
- P0071 Error Path of Environment Air Temperature Sensor. Signal Error, Only In Case of CAN
- P1505 Error Path of BET Temperature Sensor. Voltage Above Upper Limit
- P1506 Error Path of BET Temperature Sensor. Voltage Below Lower Limit
- P1507 Error Path of ClgZn Temperature Sensor. Voltage Above Upper Limit
- P1508 Error Path of ClgZn Temperature Sensor. Voltage Below Lower Limit

- P1509 Error Path of Inside Air Temperature Sensor. Voltage Above Upper Limit
- P150A Error Path of Inside Air Temperature Sensor. Voltage Below Lower Limit
- P1639 Fault Path For Engine Brake Pre-Selection Switch Status. Low Idle and Service Brake Pre-Selection Switch Inputs are Not Plausible
- P245D Error Path of Power Stage For EGR Bypass Valve Actuator. Short Circuit to Battery/ Excess Temperature
- P245C Error Path of Power Stage For EGR Bypass Valve Actuator. Short Circuit to Ground
- P245A Error Path of Power Stage For EGR Bypass Valve Actuator. No Load
- P2530 Fault Path 1 For Engine Compartment Start Button. Button is Stucked
- P0473 Error Path For Exhaust Gas Pipe Pressure Sensor. Voltage Above Upper Limit
- P0472 Error Path For Exhaust Gas Pipe Pressure Sensor. Voltage Below Lower Limit
- P0470 Error Path For Exhaust Gas Pipe Pressure Sensor. Plausibility Error
- P0490 Fault Path For Short Circuit to Battery For EGR Power Stage. Short Circuit Battery
- P0489 Fault Path For Short Circuit to Ground For EGR Power Stage. Short Circuit Ground
- P0404 Fault Path For No Load and Excess Temperature For EGR Power Stage. No Load
- P0403 Fault Path For No Load and Excess Temperature For EGR Power Stage. Excess Temperature
- P0008 If Running With Cam-Shaft Only is Active the Fault Path is Set. BackUp Mode Active
- P0340 Error Path of Camshaft Failure. No Camshaft Signal
- P0341 Error Path of Camshaft Failure. Wrong Camshaft Signal
- P0335 Error Path of Crankshaft Failure. No Crankshaft Signal
- P0336 Error Path of Crankshaft Failure. Wrong Crankshaft Signal
- P0016 Error Path of Offset Between Camshaft and Crankshaft. Offset Between Camshaft and Crankshaft
- P0219 Fault Path of Engine Protection. Overspeed Detected
- P0478 Error Path For Short Circuit to Batt of Power Stage For Exhaust Flap Actuator. Short Circuit to Battery/ Excess Temperature
- P0477 Error Path Short Circuit to Ground of Power Stage For Exhaust Flap Actuator. Short Circuit to Ground
- P0476 Error Path For Open Circuit and Excess Temperature of Exhaust Flap Actuator. No Load
- P0476 Error Path For Open Circuit and Excess Temperature of Exhaust Flap Actuator. Excess Temperature
- P1007 Fault FMTC_Trq2QBas_MAP Contains Non Strictly Monotonus Q Curves. Not Plausible Fault
- P0183 FaultPath For Fuel Temperature Sensor. Voltage Above Upper Limit
- P0182 FaultPath For Fuel Temperature Sensor. Voltage Below Lower Limit
- P0692 Error Path of Power Stage Fan Actuator. Short Circuit to Battery
- P0691 Error Path of Power Stage Fan Actuator. Short Circuit to Ground
- P0480 Error Path of Power Stage Fan Actuator. No Load
- P0483 Error Path of Power Stage Fan Actuator. Excess Temperature
- P0694 Error Path of Power Stage Fan 2 Actuator. Short Circuit to Battery
- P0693 Error Path of Power Stage Fan 2 Actuator. Short Circuit to Ground
- P0481 Error Path of Power Stage Fan 2 Actuator. No Load

P0526	Error Path of Fan Speed Sensor Signal. Short Circuit to Battery
P0527	Error Path of Fan Speed Sensor Signal. Short Circuit to Ground
P1015	Fuel Filter Fouling Switch. Voltage Above Upper Limit
P1016	Fuel Filter Fouling Switch. Voltage Below Lower Limit
P1017	Fuel Filter Fouling Switch. Fuel Filter Fouling Switch Not Plausible
P1008	Fault Path For Fuel Filter Heating Output. Short Circuit Battery
P1009	Fault Path For Fuel Filter Heating Output. Short Circuit Ground
P100A	Fault Path For Fuel Filter Heating Output. No Load
P100B	Fault Path For Fuel Filter Heating Output. Excess Temperature
P2267	Water In Fuel Sensor. Voltage Above Upper Limit
P2266	Water In Fuel Sensor. Voltage Below Lower Limit
P1018	Fuel Filter Fouling Detection. Fuel Filter Fouled
P2269	Dfp For Water Detection Sensor. Set When Sensor is Active
P0406	Dfp For Heater Used In EGR Mass Flow Rate. Sensor Short Circuit to Battery
P0405	Dfp For Heater Used In EGR Mass Flow Rate. Sensor Short Circuit to Ground
P0409	Dfp For Heater Used In EGR Mass Flow Rate. Sensor Open
P0409	Dfp For Heater Used In EGR Mass Flow Rate. Defective Intelligent Device
P040D	Dfp For Recirculated Engine Exhaust Gas Temperature Sensor. Sensor Short Circuit to Battery
P040C	Dfp For Recirculated Engine Exhaust Gas Temperature Sensor. Sensor Short Circuit to Ground
P040A	Dfp For Recirculated Engine Exhaust Gas Temperature Sensor. Sensor Open
P040B	Dfp For Recirculated Engine Exhaust Gas Temperature Sensor. Defective Intelligent Device
U0158	Dfp For Message DashDspl. Timeout For DashDspl
P0000	Faults of CAN Message EBC1. Timeout of CAN Message EBC1
U1100	Dfp For Message ERC1DR. Timeout For ERC1DR
U0103	Faults of CAN Message ETC1. Timeout of CAN Message ETC1
U0113	Dfp For CAN Message EngGsFlowRt. Timeout For EngGsFlowRt
U1101	Dfp Timeout For Message HRVD. Timeout For HRVD
U0156	Df P For Message RxAMCON. Timeout For RxAMCON
U0104	Dfp For Time-Out Error of RxCCVS Message. Fadeout is Inactive and Time-Out of Message
U1102	Dfp For CAN Message RxEngTemp2. Timeout For RxEngTemp2
U0157	Faults of CAN Message TCO1. Timeout of CAN Message TCO1
U1103	Dfp For Message TF. Timeout For TF
U1104	Dfp For Messages TSC1-AE. Timeout For TSC1-AE, When Active
U1105	Dfp For Messages TSC1-AE. Timeout For TSC1-AE, When Inactive
U1106	Dfp For Message TSC1-AR. Timeout For TSC1-AR, When Active
U1107	Dfp For Message TSC1-AR. Timeout For TSC1-AR, When Inactive
U1108	Dfp For Messages TSC1-DE. Timeout For TSC1-DE, When Active
U1109	Dfp For Messages TSC1-DE. Timeout For TSC1-DE, When Inactive

U110A	Dfp For Message TSC1-DR. Timeout For TSC1-DR, When Active
U110B	Dfp For Message TSC1-DR. Timeout For TSC1-DR, When Inactive
U110C	Dfp For Message TSC1-PE. Timeout For TSC1-PE, When Active
U110D	Dfp For Message TSC1-PE. Timeout For TSC1-PE, When Inactive
U110E	Dfp For Messages TSC1-TE. Timeout For TSC1-TE, When Active
U110F	Dfp For Messages TSC1-TE. Timeout For TSC1-TE, When Inactive
U113A	Dfp For Message TSC1-TR. Timeout For TSC1-TR, When Active
U113B	Dfp For Message TSC1-TR. Timeout For TSC1-TR, When Inactive
U1110	Dfp For Messages TSC1-VE. Timeout For TSC1-VE, When Active
U1111	Dfp For Messages TSC1-VE. Timeout For TSC1-VE, When Inactive
U1112	Dfp For Message TSC1-VR. Timeout For TSC1-VR, When Active
U1113	Dfp For Message TSC1-VR. Timeout For TSC1-VR, When Inactive
U1114	Dfp Timeout For Message TimeDate. Timeout For TimeDate
U1115	Faults of CAN Message WSI. Timeout of CAN Message WSI
U0001	Faults In CAN Send Messages. Timeout In CAN Send Messages
U0404	Physical Plausibility TSC. Physical Unplausibility of TSC-Demand
P1623	Power Stage Fault Status For Generic Lamp 1. Short Circuit Battery
P1624	Power Stage Fault Status For Generic Lamp 1. Short Circuit Ground
P1625	Power Stage Fault Status For Generic Lamp 1. No Load
P1626	Power Stage Fault Status For Generic Lamp 1. Excess Temperature
P1627	Power Stage Fault Status For Generic Lamp 2. Short Circuit Battery
P1628	Power Stage Fault Status For Generic Lamp 2. Short Circuit Ground
P1629	Power Stage Fault Status For Generic Lamp 2. No Load
P162A	Power Stage Fault Status For Generic Lamp 2. Excess Temperature
P162B	Power Stage Fault Status For Generic Lamp 3. Short Circuit Battery
P162C	Power Stage Fault Status For Generic Lamp 3. Short Circuit Ground
P162D	Power Stage Fault Status For Generic Lamp 3. No Load
P162E	Power Stage Fault Status For Generic Lamp 3. Excess Temperature
P060A	Error State Communication - SPI. Communication Error of CJ940
P062F	Error State of EEPROM. Error During Last Read Operation
P062F	Error State of EEPROM. Error During Last Write Operation
P062F	Error State of EEPROM. Default Value Used
P0607	Error Path For Recovery Which is Locked. A Recovery has Occurred
P0607	Error Path For Recovery Which is Suppressed. A Recovery has Occurred
P0607	Error Path For Recovery Which is Visible. A Recovery has Occurred
P1607	Error State Supply Voltage CJ940 Upper Limit. Internal Supply Voltage Upper Limit
P1608	Error State Supply Voltage CJ940 Lower Limit. Internal Supply Voltage Lower Limit
P150B	Error Path of Air Humidity Sensor. Ratio Value Above Upper Limit

P150C	Error Path of Air Humidity Sensor. Ratio Value Below Lower Limit
P0098	Error Path of Air Temperature Sensor. Voltage Above Upper Limit
P0097	Error Path of Air Temperature Sensor. Voltage Below Lower Limit
P0099	Error Path of Air Temperature Sensor. CAN Signal Defect
P1300	Fault Path of Injection Limitation. Number of Injections Limited By Charge Balance
P1301	Fault Path of Injection Limitation. Number of Injections Limited By Quantity Balance
P1302	Fault Path of Injection Limitation. Number of Injections Limited By Software
P1203	Faultpath Bank1-Specific Errors -> Stop Engine. Short Circuit
P1204	Faultpath Bank1-Specific Errors -> Stop Engine. Short Circuit On Low Side to Ground
P1205	Faultpath Bank1-Specific Errors -> Stop Engine. Depending On Application
P1206	Faultpath Bank1-Specific Errors -> Stop Engine. Not-Classifyable Error
P1207	Faultpath Bank1-Specific Warnings -> Stop Engine. Depending On Application
P1208	Faultpath Bank1-Specific Warnings -> Stop Engine. Depending On Application
P1209	Faultpath Bank1-Specific Warnings -> Stop Engine. Open Load
P120A	Faultpath Bank1-Specific Warnings -> Stop Engine. Depending On Application
P120B	Faultpath Bank2-Specific Errors -> Stop Engine. Short Circuit
P120C	Faultpath Bank2-Specific Errors -> Stop Engine. Short Circuit On Low Side to Ground
P120D	Faultpath Bank2-Specific Errors -> Stop Engine. Depending On Application
P120E	Faultpath Bank2-Specific Errors -> Stop Engine. Not-Classifyable Error
P120F	Faultpath Bank2-Specific Warnings -> Stop Engine. Depending On Application
P1210	Faultpath Bank2-Specific Warnings -> Stop Engine. Depending On Application
P1211	Faultpath Bank2-Specific Warnings -> Stop Engine. Open Load
P1212	Faultpath Bank2-Specific Warnings -> Stop Engine. Depending On Application
P062B	Faultpath Chip-Specific Errors -> Stop Engine. CY33X Internal Reset / Clockloss / Undervoltage
P062B	Faultpath Chip-Specific Errors -> Stop Engine. CY33X is Unlocked / CY33X Init Error
P062B	Faultpath Chip-Specific Errors -> Stop Engine. CY33X is In Testmode
P062B	Faultpath Chip-Specific Errors -> Stop Engine. CY33X SPI Communication Error /Checksum/Readback
P062B	Faultpath Chip-Specific Errors -> Stop Engine. CY33X Internal Parity Error
P062B	Faultpath Chip-Specific Errors -> Stop Engine. CY33X Internal Program Flow Error
P062B	Faultpath Chip-Specific Errors -> Stop Engine. CY33X Check of Inv. YSEL During ON Failed
P062B	Faultpath Chip-Specific Errors -> Stop Engine. CY33X ON Timeout For At Least 1 Cylinder
P0262	Faultpath Cylinder1-Specific Errors -> Stop Engine. Short Circuit On Low Side to Battery
P0263	Faultpath Cylinder1-Specific Errors -> Stop Engine. Depending On Application
P0261	Faultpath Cylinder1-Specific Errors -> Stop Engine. Short Circuit Low Side to High Side
P0263	Faultpath Cylinder1-Specific Errors -> Stop Engine. Not-Classifyable Error
P1213	Faultpath Cylinder1-Specific Warnings. Depending On Application
P1214	Faultpath Cylinder1-Specific Warnings. Depending On Application
P0201	Faultpath Cylinder1-Specific Warnings. Open Load

P1215 Faultpath Cylinder1-Specific Warnings. Depending On Application

P0265 Faultpath Cylinder2-Specific Errors -> Stop Engine. Short Circuit On Low Side to Battery

P0266 Faultpath Cylinder2-Specific Errors -> Stop Engine. Depending On Application

P0264 Faultpath Cylinder2-Specific Errors -> Stop Engine. Short Circuit Low Side to High Side

P0266 Faultpath Cylinder2-Specific Errors -> Stop Engine. Not-Classifyable Error

P1216 Faultpath Cylinder2-Specific Warnings. Depending On Application

P1217 Faultpath Cylinder2-Specific Warnings. Depending On Application

P0202 Faultpath Cylinder2-Specific Warnings. Open Load

P1218 Faultpath Cylinder2-Specific Warnings. Depending On Application

P0268 Faultpath Cylinder3-Specific Errors -> Stop Engine. Short Circuit On Low Side to Battery

P0269 Faultpath Cylinder3-Specific Errors -> Stop Engine. Depending On Application

P0267 Faultpath Cylinder3-Specific Errors -> Stop Engine. Short Circuit Low Side to High Side

P0269 Faultpath Cylinder3-Specific Errors -> Stop Engine. Not-Classifyable Error

P1219 Faultpath Cylinder3-Specific Warnings. Depending On Application

P121A Faultpath Cylinder3-Specific Warnings. Depending On Application

P0203 Faultpath Cylinder3-Specific Warnings. Open Load

P121B Faultpath Cylinder3-Specific Warnings. Depending On Application

P0271 Faultpath Cylinder4-Specific Errors -> Stop Engine. Short Circuit On Low Side to Battery

P0272 Faultpath Cylinder4-Specific Errors -> Stop Engine. Depending On Application

P0270 Faultpath Cylinder4-Specific Errors -> Stop Engine. Short Circuit Low Side to High Side

P0272 Faultpath Cylinder4-Specific Errors -> Stop Engine. Not-Classifyable Error

P121C Faultpath Cylinder4-Specific Warnings. Depending On Application

P121D Faultpath Cylinder4-Specific Warnings. Depending On Application

P0204 Faultpath Cylinder4-Specific Warnings. Open Load

P121E Faultpath Cylinder4-Specific Warnings. Depending On Application

P0274 Faultpath Cylinder5-Specific Errors -> Stop Engine. Short Circuit On Low Side to Battery

P0275 Faultpath Cylinder5-Specific Errors -> Stop Engine. Depending On Application

P0273 Faultpath Cylinder5-Specific Errors -> Stop Engine. Short Circuit Low Side to High Side

P0275 Faultpath Cylinder5-Specific Errors -> Stop Engine. Not-Classifyable Error

P121F Faultpath Cylinder5-Specific Warnings. Depending On Application

P1220 Faultpath Cylinder5-Specific Warnings. Depending On Application

P0205 Faultpath Cylinder5-Specific Warnings. Open Load

P1221 Faultpath Cylinder5-Specific Warnings. Depending On Application

P0277 Faultpath Cylinder6-Specific Errors -> Stop Engine. Short Circuit On Low Side to Battery

P0278 Faultpath Cylinder6-Specific Errors -> Stop Engine. Depending On Application

P0276 Faultpath Cylinder6-Specific Errors -> Stop Engine. Short Circuit Low Side to High Side

P0278 Faultpath Cylinder6-Specific Errors -> Stop Engine. Not-Classifyable Error

P1222 Faultpath Cylinder6-Specific Warnings. Depending On Application

- P1223 Faultpath Cylinder6-Specific Warnings. Depending On Application
- P0206 Faultpath Cylinder6-Specific Warnings. Open Load
- P1224 Faultpath Cylinder6-Specific Warnings. Depending On Application
- P1225 Faultpath - The Minimal Number of Injections Was Not Reached -> Stop Engine. The Minimal Number of Injections Was Not Reached
- P0000 Faultpath - The Minimal Number of Injections Was Not Reached -> Stop Engine. Not Used
- P0000 Faultpath - The Minimal Number of Injections Was Not Reached -> Stop Engine. Not Used
- P0000 Faultpath - The Minimal Number of Injections Was Not Reached -> Stop Engine. Not Used
- P0564 Fault Path For Cruise Control Actuating Device Evaluation Error. Invalid Switch Combinations
- P0650 Power Stage Fault Status For MIL. Short Circuit Battery
- P0650 Power Stage Fault Status For MIL. Short Circuit Ground
- P0650 Power Stage Fault Status For MIL. No Load
- P0650 Power Stage Fault Status For MIL. Excess Temperature
- P0687 Error Path For Main Relay. Main Relay Does Not Open In Time
- P0686 Error Path For Main Relay. Main Relay Opens Too Early
- P154A Error Path of Multiple State Switch. Short Circuit to Battery
- P154B Error Path of Multiple State Switch. Short Circuit to Ground
- P154C Error Path of Multiple State Switch. Multiple State Switch Not Plausible
- P160E Error Path For Main Relay 1. Short Circuit to Battery Error
- P160F Error Path For Main Relay 1. Short Circuit to Ground Error
- P060C The Fault Path Contains the Supervision of the Communication Between Watchdog of CY310 and the Controller. The Path is Used to Handle the Reversible Shut-Down of the System Using the Engine Coordinator. Set, If Error-Counter of Watchdog Or Controller are Not Plausible Or the System Must Shut Down
- 137
- U0029 Busoff In CAN A. Busoff In CAN A
- U0038 Busoff In CAN B. Busoff In CAN B
- U0047 Busoff In CAN C. Busoff In CAN C
- P250D Error Path For Engine Oil Level Sensor. Voltage Above Upper Limit
- P250C Error Path For Engine Oil Level Sensor. Voltage Below Lower Limit
- P250A Error Path For Engine Oil Level Sensor. Signal From CAN Not OK
- P250B Error Path For Engine Oil Level Sensor. Plausibility Error
- P0523 Error Path of Oil Pressure Sensor. Voltage Above Upper Limit
- P0522 Error Path of Oil Pressure Sensor. Voltage Below Lower Limit
- P0520 Error Path of Oil Pressure Sensor. Hardware Signal Error
- P0521 Error Path of Oil Pressure Sensor. Plausibility Check - Oil Pressure Too High
- P0524 Error Path For Oil Pressure Too Low Error. Plausibility Check - Oil Pressure Too Low
- P0198 Error Path of Oil Temperature Sensor. Voltage Above Upper Limit

- P0197 Error Path of Oil Temperature Sensor. Voltage Below Lower Limit
- P0195 Error Path of Oil Temperature Sensor. Signal Error For CAN
- P100D Error Path of Oil Temperature Sensor. Plausibility Error Between OTS and CTS
- P0196 Error Path of Oil Temperature Sensor For Above Normal Error. Plausibility Error OTS Temperature Above Normal
- P1613 Fault Path of Overrun Monitoring. Energising Time Exceeds Limit of Overrun Monitoring
- P1614 Fault Path For Redundant Engine Speed Calculation In Overrun Monitoring. Plausibility Error In Engine Speed Check
- P2263 Permanent Governor Deviation In PCR. Positive Governor Deviation Above Limit
- P2263 Permanent Governor Deviation In PCR. Negative Governor Deviation Below Limit
- P0629 Error Path of Power Stage Pre-Supply Pump. Short Circuit Battery
- P0628 Error Path of Power Stage Pre-Supply Pump. Short Circuit Ground
- P0627 Error Path of Power Stage Pre-Supply Pump. No Load
- P062A Error Path of Power Stage Pre-Supply Pump. Excess Temperature
- P1615 Faultpath For Runup Test. Is Set to Deaktivate Misfire Detection During Runup Test
- P1616 Fault Path For Test of Redundant Shut Off Paths During Initialization. Watch Dog Switch Off Path Defect
- P1617 Fault Path For Test of Redundant Shut Off Paths During Initialization. Voltage Monitoring Upper Limit Shut Off Path Defect
- P1618 Fault Path For Test of Redundant Shut Off Paths During Initialization. Voltage Monitoring Lower Limit Shut Off Path Defect
- P0643 Sensor Supply Voltage 1. Voltage Above Upper Limit
- P0642 Sensor Supply Voltage 1. Voltage Below Lower Limit
- P0653 Sensor Supply Voltage 2. Voltage Above Upper Limit
- P0652 Sensor Supply Voltage 2. Voltage Below Lower Limit
- P0699 Sensor Supply Voltage 3. Voltage Above Upper Limit
- P0698 Sensor Supply Voltage 3. Voltage Below Lower Limit
- P1621 Faultpath For Shut Off Test.
- P1619 Power Stage Fault Status For System Lamp. Short Circuit Battery
- P161A Power Stage Fault Status For System Lamp. Short Circuit Ground
- P161B Power Stage Fault Status For System Lamp. No Load
- P161C Power Stage Fault Status For System Lamp. Excess Temperature
- P2533 Error Path For Terminal 15 - Contains Plausibility Error [Sig] of T15. No Terminal 15 Signals Detected
- P2530 Fault Path For Terminal 50 Component Driver - T50CD. Terminal 50 Always Pressed
- P0607 TPU Monitoring. Deviation Between TPU and System Time
- P2142 Fault Path For Short Circuit to Battery For TVA Power Stage. Short Circuit Battery
- P2141 Fault Path For Short Circuit to Ground For TVA Power Stage. Short Circuit Ground
- P0487 Fault Path For No Load and Excess Temperature For TVA Power Stage. No Load

- P0488 Fault Path For No Load and Excess Temperature For TVA Power Stage. Excess Temperature
- P0501 Fault Path 1 For Vehicle Speed Sensing. Exceeding of the Maximum Vehicle Speed
- P1510 Fault Path 1 For Vehicle Speed Sensing. Distance Factor Not Learned
- P0500 Fault Path 1 For Vehicle Speed Sensing. HW Signal For Vehicle Speed Not Valid
- P0501 Fault Path 1 For Vehicle Speed Sensing. Vehicle Speed Not Plausible With Injection Mass and Engine Speed
- P2158 Fault Path 2 For Vehicle Speed Sensing. Voltage Monitoring SRC Maximum
- P2160 Fault Path 2 For Vehicle Speed Sensing. Voltage Monitoring SRC Minimum
- P2157 Fault Path 2 For Vehicle Speed Sensing. CAN Signal For Vehicle Speed Not Valid
- P2159 Fault Path 2 For Vehicle Speed Sensing. Voltage Monitoring SRC Not Plausible
- P1511 Fault Path 3 For Vehicle Speed Sensing. Exceeding of the Maximum Pulse Width
- P1512 Fault Path 3 For Vehicle Speed Sensing. Exceeding of the Minimum Pulse Width
- P1513 Fault Path 3 For Vehicle Speed Sensing. HW Signal Frequency is Not Valid
- P161D Errorpath For Dataset Variant Coding, Npl=Requested Variant Could Not be Set, Sig=Variant Dataset Defect. Signal Fault
- P161E Errorpath For Dataset Variant Coding, Npl=Requested Variant Could Not be Set, Sig=Variant Dataset Defect. Not Plausible Fault
- P0607 The Fault Path Contains the Supervision of the SPI-Handler. Set, If SPI-Communication Failed
- P162F Power Stage Fault Status For Warning Lamp. Short Circuit Battery
- P1630 Power Stage Fault Status For Warning Lamp. Short Circuit Ground
- P1631 Power Stage Fault Status For Warning Lamp. No Load
- P1632 Power Stage Fault Status For Warning Lamp. Excess Temperature
- P0647 Fault Path of Air Condition Power Stage. Short Circuit Battery
- P0646 Fault Path of Air Condition Power Stage. Short Circuit Ground
- P0645 Fault Path of Air Condition Power Stage. No Load
- P0645 Fault Path of Air Condition Power Stage. Excess Temperature
- P2608 Error Path of Power Stage Air Heater 2 Actuator. Short Circuit to Battery
- P2607 Error Path of Power Stage Air Heater 2 Actuator. Short Circuit to Ground
- P2606 Error Path of Power Stage Air Heater 2 Actuator. No Load
- P160C HpTst. HpTst Deactivates Rail Pressure Monitoring
- P0251 Error Path of Metering Unit PWM-Powerstage. Open Load of Metering Unit Output
- P0252 Error Path of Metering Unit PWM-Powerstage. Excess Temperature of Metering Unit Powerstage
- P0254 Error Path of Metering Unit PWM-Powerstage. Short Circuit to Battery of Metering Unit Output
- P0253 Error Path of Metering Unit PWM-Powerstage. Short Circuit to Ground of Metering Unit Output
- P025D Error Path of Metering Unit AD-Channel. Signal Range Check High Error of Metering Unit AD-Channel
- P025C Error Path of Metering Unit AD-Channel. Signal Range Check Low Error of Metering Unit AD-Channel
- P100E Error Path of Rail Pressure Relief Valve. PRV Was Recognised As OPEN

- P100F Error Path of Rail Pressure Relief Valve. Pressure Shock Requested
- P1010 Error Path of Rail Pressure Relief Valve. PRV Did Not Open After Pressure Shock
- P1015 Error Path of Rail Pressure Relief Valve, According to Wear of PRV. PRV Was Opended More Often Than the Techn. Specification Allows
- P1016 Error Path of Rail Pressure Relief Valve, According to Wear of PRV. PRV Was Open For A Longer Time Than the Techn. Specification Allows
- P1017 Error Path of Rail Pressure Relief Valve, According to Wear of PRV. PRV Was Open More Often and For A Longer Time Than the Techn. Spec. Allows
- P0193 Error Path of Rail Pressure. Voltage Above Upper Limit
- P0192 Error Path of Rail Pressure. Voltage Below Lower Limit
- P0191 Error Path RPS Offset Monitoring. RPS Raw Value is Above Maximum Offset
- P0191 Error Path RPS Offset Monitoring. RPS Raw Value is Below Minimum Offset
- P1011 Faults For Checks In MeUn Controlled Mode. Maximum Positive Deviation of Rail Pressure Exceeded
- P1012 Faults For Checks In MeUn Controlled Mode. Maximum Positive Deviation of Rail Pressure Exceeded Concerning Set Flow of Fuel
- P1013 Faults For Checks In MeUn Controlled Mode. Maximum Negative Rail Pressure Deviation With Metering Unit On Lower Limit is Exceeded
- P0087 Faults For Checks In MeUn Controlled Mode. Minimum Rail Pressure Exceeded
- P0088 Faults For Checks In MeUn Controlled Mode. Maximum Rail Pressure Exceeded
- P101A Faults For Checks In MeUn Controlled Mode. Rail Pressure Drop Rate is Higher Than Expected
- P1014 Faults For Checks In MeUn Controlled Mode. Setpoint of Metering Unit In Overrun Mode Not Plausible
- P1018 Faults For Checks In MeUn Controlled Mode. Setpoint of Fuel Volume Flow Throught the Metering Unit is Lower Than the Calculated Limit Value
- P1019 Faults For Checks In MeUn Controlled Mode. Maximum Positive Deviation of Governor Exceeded Concerning Set Flow of Fuel
- P0617 Fault Path For the Digital Power Stage of Starter. Short Circuit to Battery
- P0616 Fault Path For the Digital Power Stage of Starter. Short Circuit to Ground
- P0615 Fault Path For the Digital Power Stage of Starter. No Load
- P0615 Fault Path For the Digital Power Stage of Starter. Power Stage Excess Temperature
- P1676 Error Path For Main Relay 2. Main Relay Does Not Open In Time
- P1677 Error Path For Main Relay 2. SCG Error
- P0217 Error Path of Over Coolant Temperature. Coolant Temperature Above Threshold
- P101B Faults For Checks In MeUn Controlled Mode. Error Recognition Via Metering Unit Correcting Variable At Idle
- P2519 Fault Path of Air Condition Power Stage. CAN Msg. TimeOut Error
- P2519 Fault Path of Air Condition Power Stage. Non-Plausible CAN Msg. Value
- P060B Error Status of ADC Monitoring. SRC-High Error of ADC Reference Voltage

P060B	Error Status of ADC Monitoring. SRC-Low Error of ADC Reference Voltage
P060B	Error Status of ADC Monitoring. Test Impulse Error
P060B	Error Status of ADC Monitoring. ADC Queue Error
P0113	Intake Air Temperature Sensor. Voltage Above Upper Limit
P0112	Intake Air Temperature Sensor. Voltage Below Lower Limit
P0101	Error Path For Plausibility Check of Offset Drift of Airmass. Airmass ADC Raw Value > Threshold High
P0101	Error Path For Plausibility Check of Offset Drift of Airmass. Airmass ADC Raw Value < Threshold Low
P0103	Fault Path For Plausibility Check of Sensitivity Drift of Airmass. Airmass Ratio is Higher Then Threshold High
P0102	Fault Path For Plausibility Check of Sensitivity Drift of Airmass. Airmass Ratio is Lower Then Threshold Low
P0103	Error Path For Signal Range Check of Airmass. Voltage Above Upper Limit
P0102	Error Path For Signal Range Check of Airmass. Voltage Below Lower Limit
P0123	Fault Path of Accelerator Pedal 1. Voltage Above Upper Limit
P0122	Fault Path of Accelerator Pedal 1. Voltage Below Lower Limit
P2135	Fault Path of Accelerator Pedal 1. Plausibility With APP2 Violated
P0223	Fault Path of Accelerator Pedal 2. Voltage Above Upper Limit
P0222	Fault Path of Accelerator Pedal 2. Voltage Below Lower Limit
P2135	Fault Path of Accelerator Pedal 2. Plausibility With APP1 Violated
P2229	Error Path of Atmospheric Pressure Sensor. Voltage Above Upper Limit
P2228	Error Path of Atmospheric Pressure Sensor. Voltage Below Lower Limit
P2226	Error Path of Atmospheric Pressure Sensor. Signal Value From CAN Not Ok
P2227	Error Path of Atmospheric Pressure Sensor. Not Plausible With Boost Pressure Sensor
P0649	Error Path For the Adjustable Speed Limit Lamp. Short Circuit Battery
P0649	Error Path For the Adjustable Speed Limit Lamp. Short Circuit Ground
P0649	Error Path For the Adjustable Speed Limit Lamp. No Load
P0649	Error Path For the Adjustable Speed Limit Lamp. Excess Temperature
P2299	Error Path For AccPed and Brake Plausibility. AccPed Signal Not Plausible
P0402	AirCtl Permanent Positive Governor Deviation. Positive Governor Deviation Above Limit
P0401	AirCtl Permanent Negative Governor Deviation. Negative Governor Deviation Below Limit
P0640	Grid Heaters Always Switched On. Multi Signal Defect
P1020	Fault Path1 of Air Heater Test Switch On. Voltage Difference Exceeds the Higher Threshold
P1021	Fault Path1 of Air Heater Test Switch On. Voltage Difference Falls Below the Lower Threshold
P1022	Fault Path2 of Air Heater Test Switch Off. Voltage Difference Exceeds the Higher Threshold
P1023	Fault Path2 of Air Heater Test Switch Off. Voltage Difference Falls Below the Lower Threshold
P0542	Error Path of Power Stage Air Heater 1 Actuator. Short Circuit to Battery
P0541	Error Path of Power Stage Air Heater 1 Actuator. Short Circuit to Ground

P0543	Error Path of Power Stage Air Heater 1 Actuator. No Load
P0048	Fault Path For Short Circuit to Battery For BPA Power Stage. Short Circuit Battery
P0047	Fault Path For Short Circuit to Ground For BPA Power Stage. Short Circuit Ground
P0045	Fault Path For No Load and Excess Temperature For BPA Power Stage. No Load
P0046	Fault Path For No Load and Excess Temperature For BPA Power Stage. Excess Temperature
P0238	Error Path For Boost Pressure Sensor. Voltage Above Upper Limit
P0237	Error Path For Boost Pressure Sensor. Voltage Below Lower Limit
P0235	Error Path For Boost Pressure Sensor. Signal Value From CAN Not Ok
P0236	Error Path For Boost Pressure Sensor. Plausibility Error
P0563	Battery Voltage Fault. Voltage Above Upper Limit
P0562	Battery Voltage Fault. Voltage Below Lower Limit
P0571	Error Path For Brake Signal. Brake Signal is Defective
P0504	Error Path For Brake Signal. Brake Signals Not Plausible
P022C	Error Path of Intercooler Bypass Valve Powerstage. Short Circuit to Battery
P022B	Error Path of Intercooler Bypass Valve Powerstage. Short Circuit to Ground
P022A	Error Path of Intercooler Bypass Valve Powerstage. No Load
P2559	Error Path For Coolant Level Sensor. Voltage Above Upper Limit
P2558	Error Path For Coolant Level Sensor. Voltage Below Lower Limit
P2556	Error Path For Coolant Level Sensor. Open Circuit
P2557	Error Path For Coolant Level Sensor. Plausibility Error
P0080	Fault Path of CRERCD Condition Power Stage. Short Circuit Battery
P0079	Fault Path of CRERCD Condition Power Stage. Short Circuit Ground
P1633	Fault Path of CRERCD Condition Power Stage. No Load
P1634	Fault Path of CRERCD Condition Power Stage. Excess Temperature
P1635	Error Path For the Cold Start Lamp. Short Circuit Battery
P1636	Error Path For the Cold Start Lamp. Short Circuit Ground
P1637	Error Path For the Cold Start Lamp. No Load
P1638	Error Path For the Cold Start Lamp. Excess Temperature
P0118	Error Path of Coolant Temperature Sensor. Voltage Above Upper Limit
P0117	Error Path of Coolant Temperature Sensor. Voltage Below Lower Limit
P0115	Error Path of Coolant Temperature Sensor. Can Msg. Value Defect
P0116	Error Path of Coolant Temperature Sensor. Plausibility Defect Between OTS and CTS
P0116	Coolant Temperature Sensor Absolute Test. Minimum Temperature Not Reached Within Time Limit
P0116	Coolant Temperature Sensor Dynamic Test. Minimum Temperature Raise Not Reached Within Time Limit
P0301	Error Path For Misfire Cylinder 1. Number of Recognized Misfire Events Above Limit
P0302	Error Path For Misfire Cylinder 2. Number of Recognized Misfire Events Above Limit
P0303	Error Path For Misfire Cylinder 3. Number of Recognized Misfire Events Above Limit

P0304	Error Path For Misfire Cylinder 4. Number of Recognized Misfire Events Above Limit
P0305	Error Path For Misfire Cylinder 5. Number of Recognized Misfire Events Above Limit
P0306	Error Path For Misfire Cylinder 6. Number of Recognized Misfire Events Above Limit
P0300	Error Path For Misfire In Multiple Cylinders. Number of Recognized Misfire Events Above Limit
P0856	Physical Plausibility DCS. Physical Unplausibility of DCS-Demand
P161F	Faultpath For Compression Test.
P0704	Diagnostic Fault Path Signals Errors of Main Clutch Signal. CAN Clutch Signal is Not Defined
P0704	Diagnostic Fault Path Signals Errors of Main Clutch Signal. Clutch Signal is Not Plausible
P0073	Error Path of Environment Air Temperature Sensor. Voltage Above Upper Limit
P0072	Error Path of Environment Air Temperature Sensor. Voltage Below Lower Limit
P0071	Error Path of Environment Air Temperature Sensor. Signal Error, Only In Case of CAN
P1505	Error Path of BET Temperature Sensor. Voltage Above Upper Limit
P1506	Error Path of BET Temperature Sensor. Voltage Below Lower Limit
P1507	Error Path of ClgZn Temperature Sensor. Voltage Above Upper Limit
P1508	Error Path of ClgZn Temperature Sensor. Voltage Below Lower Limit
P1509	Error Path of Inside Air Temperature Sensor. Voltage Above Upper Limit
P150A	Error Path of Inside Air Temperature Sensor. Voltage Below Lower Limit
P1639	Fault Path For Engine Brake Pre-Selection Switch Status. Low Idle and Service Brake Pre-Selection Switch Inputs are Not Plausible
P245D	Error Path of Power Stage For EGR Bypass Valve Actuator. Short Circuit to Battery/ Excess Temperature
P245C	Error Path of Power Stage For EGR Bypass Valve Actuator. Short Circuit to Ground
P245A	Error Path of Power Stage For EGR Bypass Valve Actuator. No Load
P2530	Fault Path 1 For Engine Compartment Start Button. Button is Stucked
P0473	Error Path For Exhaust Gas Pipe Pressure Sensor. Voltage Above Upper Limit
P0472	Error Path For Exhaust Gas Pipe Pressure Sensor. Voltage Below Lower Limit
P0470	Error Path For Exhaust Gas Pipe Pressure Sensor. Plausibility Error
P0490	Fault Path For Short Circuit to Battery For EGR Power Stage. Short Circuit Battery
P0489	Fault Path For Short Circuit to Ground For EGR Power Stage. Short Circuit Ground
P0404	Fault Path For No Load and Excess Temperature For EGR Power Stage. No Load
P0403	Fault Path For No Load and Excess Temperature For EGR Power Stage. Excess Temperature
P0008	If Running With Cam-Shaft Only is Active the Fault Path is Set. BackUp Mode Active
P0340	Error Path of Camshaft Failure. No Camshaft Signal
P0341	Error Path of Camshaft Failure. Wrong Camshaft Signal
P0335	Error Path of Crankshaft Failure. No Crankshaft Signal
P0336	Error Path of Crankshaft Failure. Wrong Crankshaft Signal
P0016	Error Path of Offset Between Camshaft and Crankshaft. Offset Between Camshaft and Crankshaft
P0219	Fault Path of Engine Protection. Overspeed Detected

P0478	Error Path For Short Circuit to Batt of Power Stage For Exhaust Flap Actuator. Short Circuit to Battery/ Excess Temperature
P0477	Error Path Short Circuit to Ground of Power Stage For Exhaust Flap Actuator. Short Circuit to Ground
P0476	Error Path For Open Circuit and Excess Tempeprature of Exhaust Flap Actuator. No Load
P0476	Error Path For Open Circuit and Excess Tempeprature of Exhaust Flap Actuator. Excess Temperature
P1007	Fault FMTC_Trq2QBas_MAP Containes Non Strictly Monotonus Q Curves. Not Plausible Fault
P0183	FaultPath For Fuel Temperature Sensor. Voltage Above Upper Limit
P0182	FaultPath For Fuel Temperature Sensor. Voltage Below Lower Limit
P0692	Error Path of Power Stage Fan Actuator. Short Circuit to Battery
P0691	Error Path of Power Stage Fan Actuator. Short Circuit to Ground
P0480	Error Path of Power Stage Fan Actuator. No Load
P0483	Error Path of Power Stage Fan Actuator. Excess Temperature
P0694	Error Path of Power Stage Fan 2 Actuator. Short Circuit to Battery
P0693	Error Path of Power Stage Fan 2 Actuator. Short Circuit to Ground
P0481	Error Path of Power Stage Fan 2 Actuator. No Load
P0526	Error Path of Fan Speed Sensor Signal. Short Circuit to Battery
P0527	Error Path of Fan Speed Sensor Signal. Short Circuit to Ground
P1015	Fuel Filter Fouling Switch. Voltage Above Upper Limit
P1016	Fuel Filter Fouling Switch. Voltage Below Lower Limit
P1017	Fuel Filter Fouling Switch. Fuel Filter Fouling Switch Not Plausible
P1008	Fault Path For Fuel Filter Heating Output. Short Circuit Battery
P1009	Fault Path For Fuel Filter Heating Output. Short Circuit Ground
P100A	Fault Path For Fuel Filter Heating Output. No Load
P100B	Fault Path For Fuel Filter Heating Output. Excess Temperature
P2267	Water In Fuel Sensor. Voltage Above Upper Limit
P2266	Water In Fuel Sensor. Voltage Below Lower Limit
P1018	Fuel Filter Fouling Detection. Fuel Filter Fouled
P2269	Dfp For Water Detection Sensor. Set When Sensor is Active
P0406	Dfp For Heater Used In EGR Mass Flow Rate. Sensor Short Circuit to Battery
P0405	Dfp For Heater Used In EGR Mass Flow Rate. Sensor Short Circuit to Ground
P0409	Dfp For Heater Used In EGR Mass Flow Rate. Sensor Open
P0409	Dfp For Heater Used In EGR Mass Flow Rate. Defective Intelligent Device
P040D	Dfp For Recirculated Engine Exhaust Gas Temperature Sensor. Sensor Short Circuit to Battery
P040C	Dfp For Recirculated Engine Exhaust Gas Temperature Sensor. Sensor Short Circuit to Ground
P040A	Dfp For Recirculated Engine Exhaust Gas Temperature Sensor. Sensor Open
P040B	Dfp For Recirculated Engine Exhaust Gas Temperature Sensor. Defective Intelligent Device
U0158	Dfp For Message DashDspl. Timeout For DashDspl
P0000	Faults of CAN Message EBC1. Timeout of CAN Message EBC1

U1100	Dfp For Message ERC1DR. Timeout For ERC1DR
U0103	Faults of CAN Message ETC1. Timeout of CAN Message ETC1
U0113	Dfp For CAN Message EngGsFlowRt. Timeout For EngGsFlowRt
U1101	Dfp Timeout For Message HRVD. Timeout For HRVD
U0156	Df P For Message RxAMCON. Timeout For RxAMCON
U0104	Dfp For Time-Out Error of RxCCVS Message. Fadeout is Inactive and Time-Out of Message
U1102	Dfp For CAN Message RxEngTemp2. Timeout For RxEngTemp2
U0157	Faults of CAN Message TCO1. Timeout of CAN Message TCO1
U1103	Dfp For Message TF. Timeout For TF
U1104	Dfp For Messages TSC1-AE. Timeout For TSC1-AE, When Active
U1105	Dfp For Messages TSC1-AE. Timeout For TSC1-AE, When Inactive
U1106	Dfp For Message TSC1-AR. Timeout For TSC1-AR, When Active
U1107	Dfp For Message TSC1-AR. Timeout For TSC1-AR, When Inactive
U1108	Dfp For Messages TSC1-DE. Timeout For TSC1-DE, When Active
U1109	Dfp For Messages TSC1-DE. Timeout For TSC1-DE, When Inactive
U110A	Dfp For Message TSC1-DR. Timeout For TSC1-DR, When Active
U110B	Dfp For Message TSC1-DR. Timeout For TSC1-DR, When Inactive
U110C	Dfp For Message TSC1-PE. Timeout For TSC1-PE, When Active
U110D	Dfp For Message TSC1-PE. Timeout For TSC1-PE, When Inactive
U110E	Dfp For Messages TSC1-TE. Timeout For TSC1-TE, When Active
U110F	Dfp For Messages TSC1-TE. Timeout For TSC1-TE, When Inactive
U113A	Dfp For Message TSC1-TR. Timeout For TSC1-TR, When Active
U113B	Dfp For Message TSC1-TR. Timeout For TSC1-TR, When Inactive
U1110	Dfp For Messages TSC1-VE. Timeout For TSC1-VE, When Active
U1111	Dfp For Messages TSC1-VE. Timeout For TSC1-VE, When Inactive
U1112	Dfp For Message TSC1-VR. Timeout For TSC1-VR, When Active
U1113	Dfp For Message TSC1-VR. Timeout For TSC1-VR, When Inactive
U1114	Dfp Timeout For Message TimeDate. Timeout For TimeDate
U1115	Faults of CAN Message WSI. Timeout of CAN Message WSI
U0001	Faults In CAN Send Messages. Timeout In CAN Send Messages
U0404	Physical Plausibility TSC. Physical Unplausibility of TSC-Demand
P1623	Power Stage Fault Status For Generic Lamp 1. Short Circuit Battery
P1624	Power Stage Fault Status For Generic Lamp 1. Short Circuit Ground
P1625	Power Stage Fault Status For Generic Lamp 1. No Load
P1626	Power Stage Fault Status For Generic Lamp 1. Excess Temperature
P1627	Power Stage Fault Status For Generic Lamp 2. Short Circuit Battery
P1628	Power Stage Fault Status For Generic Lamp 2. Short Circuit Ground
P1629	Power Stage Fault Status For Generic Lamp 2. No Load

P162A	Power Stage Fault Status For Generic Lamp 2. Excess Temperature
P162B	Power Stage Fault Status For Generic Lamp 3. Short Circuit Battery
P162C	Power Stage Fault Status For Generic Lamp 3. Short Circuit Ground
P162D	Power Stage Fault Status For Generic Lamp 3. No Load
P162E	Power Stage Fault Status For Generic Lamp 3. Excess Temperature
P060A	Error State Communication - SPI. Communication Error of CJ940
P062F	Error State of EEPROM. Error During Last Read Operation
P062F	Error State of EEPROM. Error During Last Write Operation
P062F	Error State of EEPROM. Default Value Used
P0607	Error Path For Recovery Which is Locked. A Recovery has Occurred
P0607	Error Path For Recovery Which is Suppressed. A Recovery has Occurred
P0607	Error Path For Recovery Which is Visible. A Recovery has Occurred
P1607	Error State Supply Voltage CJ940 Upper Limit. Internal Supply Voltage Upper Limit
P1608	Error State Supply Voltage CJ940 Lower Limit. Internal Supply Voltage Lower Limit
P150B	Error Path of Air Humidity Sensor. Ratio Value Above Upper Limit
P150C	Error Path of Air Humidity Sensor. Ratio Value Below Lower Limit
P0098	Error Path of Air Temperature Sensor. Voltage Above Upper Limit
P0097	Error Path of Air Temperature Sensor. Voltage Below Lower Limit
P0099	Error Path of Air Temperature Sensor. CAN Signal Defect
P1300	Fault Path of Injection Limitation. Number of Injections Limited By Charge Balance
P1301	Fault Path of Injection Limitation. Number of Injections Limited By Quantity Balance
P1302	Fault Path of Injection Limitation. Number of Injections Limited By Software
P1203	Faultpath Bank1-Specific Errors -> Stop Engine. Short Circuit
P1204	Faultpath Bank1-Specific Errors -> Stop Engine. Short Circuit On Low Side to Ground
P1205	Faultpath Bank1-Specific Errors -> Stop Engine. Depending On Application
P1206	Faultpath Bank1-Specific Errors -> Stop Engine. Not-Classifyable Error
P1207	Faultpath Bank1-Specific Warnings -> Stop Engine. Depending On Application
P1208	Faultpath Bank1-Specific Warnings -> Stop Engine. Depending On Application
P1209	Faultpath Bank1-Specific Warnings -> Stop Engine. Open Load
P120A	Faultpath Bank1-Specific Warnings -> Stop Engine. Depending On Application
P120B	Faultpath Bank2-Specific Errors -> Stop Engine. Short Circuit
P120C	Faultpath Bank2-Specific Errors -> Stop Engine. Short Circuit On Low Side to Ground
P120D	Faultpath Bank2-Specific Errors -> Stop Engine. Depending On Application
P120E	Faultpath Bank2-Specific Errors -> Stop Engine. Not-Classifyable Error
P120F	Faultpath Bank2-Specific Warnings -> Stop Engine. Depending On Application
P1210	Faultpath Bank2-Specific Warnings -> Stop Engine. Depending On Application
P1211	Faultpath Bank2-Specific Warnings -> Stop Engine. Open Load
P1212	Faultpath Bank2-Specific Warnings -> Stop Engine. Depending On Application

- P062B Faultpath Chip-Specific Errors -> Stop Engine. CY33X Internal Reset / Clockloss / Undervoltage
- P062B Faultpath Chip-Specific Errors -> Stop Engine. CY33X is Unlocked / CY33X Init Error
- P062B Faultpath Chip-Specific Errors -> Stop Engine. CY33X is In Testmode
- P062B Faultpath Chip-Specific Errors -> Stop Engine. CY33X SPI Communication Error /Checksum/Readback
- P062B Faultpath Chip-Specific Errors -> Stop Engine. CY33X Internal Parity Error
- P062B Faultpath Chip-Specific Errors -> Stop Engine. CY33X Internal Program Flow Error
- P062B Faultpath Chip-Specific Errors -> Stop Engine. CY33X Check of Inv. YSEL During ON Failed
- P062B Faultpath Chip-Specific Errors -> Stop Engine. CY33X ON Timeout For At Least 1 Cylinder
- P0262 Faultpath Cylinder1-Specific Errors -> Stop Engine. Short Circuit On Low Side to Battery
- P0263 Faultpath Cylinder1-Specific Errors -> Stop Engine. Depending On Application
- P0261 Faultpath Cylinder1-Specific Errors -> Stop Engine. Short Circuit Low Side to High Side
- P0263 Faultpath Cylinder1-Specific Errors -> Stop Engine. Not-Classifyable Error
- P1213 Faultpath Cylinder1-Specific Warnings. Depending On Application
- P1214 Faultpath Cylinder1-Specific Warnings. Depending On Application
- P0201 Faultpath Cylinder1-Specific Warnings. Open Load
- P1215 Faultpath Cylinder1-Specific Warnings. Depending On Application
- P0265 Faultpath Cylinder2-Specific Errors -> Stop Engine. Short Circuit On Low Side to Battery
- P0266 Faultpath Cylinder2-Specific Errors -> Stop Engine. Depending On Application
- P0264 Faultpath Cylinder2-Specific Errors -> Stop Engine. Short Circuit Low Side to High Side
- P0266 Faultpath Cylinder2-Specific Errors -> Stop Engine. Not-Classifyable Error
- P1216 Faultpath Cylinder2-Specific Warnings. Depending On Application
- P1217 Faultpath Cylinder2-Specific Warnings. Depending On Application
- P0202 Faultpath Cylinder2-Specific Warnings. Open Load
- P1218 Faultpath Cylinder2-Specific Warnings. Depending On Application
- P0268 Faultpath Cylinder3-Specific Errors -> Stop Engine. Short Circuit On Low Side to Battery
- P0269 Faultpath Cylinder3-Specific Errors -> Stop Engine. Depending On Application
- P0267 Faultpath Cylinder3-Specific Errors -> Stop Engine. Short Circuit Low Side to High Side
- P0269 Faultpath Cylinder3-Specific Errors -> Stop Engine. Not-Classifyable Error
- P1219 Faultpath Cylinder3-Specific Warnings. Depending On Application
- P121A Faultpath Cylinder3-Specific Warnings. Depending On Application
- P0203 Faultpath Cylinder3-Specific Warnings. Open Load
- P121B Faultpath Cylinder3-Specific Warnings. Depending On Application
- P0271 Faultpath Cylinder4-Specific Errors -> Stop Engine. Short Circuit On Low Side to Battery
- P0272 Faultpath Cylinder4-Specific Errors -> Stop Engine. Depending On Application
- P0270 Faultpath Cylinder4-Specific Errors -> Stop Engine. Short Circuit Low Side to High Side
- P0272 Faultpath Cylinder4-Specific Errors -> Stop Engine. Not-Classifyable Error
- P121C Faultpath Cylinder4-Specific Warnings. Depending On Application
- P121D Faultpath Cylinder4-Specific Warnings. Depending On Application

P0204	Faultpath Cylinder4-Specific Warnings. Open Load
P121E	Faultpath Cylinder4-Specific Warnings. Depending On Application
P0274	Faultpath Cylinder5-Specific Errors -> Stop Engine. Short Circuit On Low Side to Battery
P0275	Faultpath Cylinder5-Specific Errors -> Stop Engine. Depending On Application
P0273	Faultpath Cylinder5-Specific Errors -> Stop Engine. Short Circuit Low Side to High Side
P0275	Faultpath Cylinder5-Specific Errors -> Stop Engine. Not-Classifyable Error
P121F	Faultpath Cylinder5-Specific Warnings. Depending On Application
P1220	Faultpath Cylinder5-Specific Warnings. Depending On Application
P0205	Faultpath Cylinder5-Specific Warnings. Open Load
P1221	Faultpath Cylinder5-Specific Warnings. Depending On Application
P0277	Faultpath Cylinder6-Specific Errors -> Stop Engine. Short Circuit On Low Side to Battery
P0278	Faultpath Cylinder6-Specific Errors -> Stop Engine. Depending On Application
P0276	Faultpath Cylinder6-Specific Errors -> Stop Engine. Short Circuit Low Side to High Side
P0278	Faultpath Cylinder6-Specific Errors -> Stop Engine. Not-Classifyable Error
P1222	Faultpath Cylinder6-Specific Warnings. Depending On Application
P1223	Faultpath Cylinder6-Specific Warnings. Depending On Application
P0206	Faultpath Cylinder6-Specific Warnings. Open Load
P1224	Faultpath Cylinder6-Specific Warnings. Depending On Application
P1225	Faultpath - The Minimal Number of Injections Was Not Reached -> Stop Engine. The Minimal Number of Injections Was Not Reached
P0000	Faultpath - The Minimal Number of Injections Was Not Reached -> Stop Engine. Not Used
P0000	Faultpath - The Minimal Number of Injections Was Not Reached -> Stop Engine. Not Used
P0000	Faultpath - The Minimal Number of Injections Was Not Reached -> Stop Engine. Not Used
P0564	Fault Path For Cruise Control Actuating Device Evaluation Error. Invalid Switch Combinations
P0650	Power Stage Fault Status For MIL. Short Circuit Battery
P0650	Power Stage Fault Status For MIL. Short Circuit Ground
P0650	Power Stage Fault Status For MIL. No Load
P0650	Power Stage Fault Status For MIL. Excess Temperature
P0687	Error Path For Main Relay. Main Relay Does Not Open In Time
P0686	Error Path For Main Relay. Main Relay Opens Too Early
P154A	Error Path of Multiple State Switch. Short Circuit to Battery
P154B	Error Path of Multiple State Switch. Short Circuit to Ground
P154C	Error Path of Multiple State Switch. Multiple State Switch Not Plausible
P160E	Error Path For Main Relay 1. Short Circuit to Battery Error
P160F	Error Path For Main Relay 1. Short Circuit to Ground Error
P060C	The Fault Path Contains the Supervision of the Communication Between Watchdog of CY310 and the Controller. The Path is Used to Handle the Reversible Shut-Down of the System Using the Engine Coordinator. Set, If Error-Counter of Watchdog Or Controller are Not Plausible Or the System Must

Shut

Down

137

- U0029 Busoff In CAN A. Busoff In CAN A
- U0038 Busoff In CAN B. Busoff In CAN B
- U0047 Busoff In CAN C. Busoff In CAN C
- P250D Error Path For Engine Oil Level Sensor. Voltage Above Upper Limit
- P250C Error Path For Engine Oil Level Sensor. Voltage Below Lower Limit
- P250A Error Path For Engine Oil Level Sensor. Signal From CAN Not OK
- P250B Error Path For Engine Oil Level Sensor. Plausibility Error
- P0523 Error Path of Oil Pressure Sensor. Voltage Above Upper Limit
- P0522 Error Path of Oil Pressure Sensor. Voltage Below Lower Limit
- P0520 Error Path of Oil Pressure Sensor. Hardware Signal Error
- P0521 Error Path of Oil Pressure Sensor. Plausibility Check - Oil Pressure Too High
- P0524 Error Path For Oil Pressure Too Low Error. Plausibility Check - Oil Pressure Too Low
- P0198 Error Path of Oil Temperature Sensor. Voltage Above Upper Limit
- P0197 Error Path of Oil Temperature Sensor. Voltage Below Lower Limit
- P0195 Error Path of Oil Temperature Sensor. Signal Error For CAN
- P100D Error Path of Oil Temperature Sensor. Plausibility Error Between OTS and CTS
- P0196 Error Path of Oil Temperature Sensor For Above Normal Error. Plausibility Error OTS Temperature Above Normal
- P1613 Fault Path of Overrun Monitoring. Energising Time Exceeds Limit of Overrun Monitoring
- P1614 Fault Path For Redundant Engine Speed Calculation In Overrun Monitoring. Plausibility Error In Engine Speed Check
- P2263 Permanent Governor Deviation In PCR. Positive Governor Deviation Above Limit
- P2263 Permanent Governor Deviation In PCR. Negative Governor Deviation Below Limit
- P0629 Error Path of Power Stage Pre-Supply Pump. Short Circuit Battery
- P0628 Error Path of Power Stage Pre-Supply Pump. Short Circuit Ground
- P0627 Error Path of Power Stage Pre-Supply Pump. No Load
- P062A Error Path of Power Stage Pre-Supply Pump. Excess Temperature
- P1615 Faultpath For Runup Test. Is Set to Deaktivate Misfire Detection During Runup Test
- P1616 Fault Path For Test of Redundant Shut Off Paths During Initialization. Watch Dog Switch Off Path Defect
- P1617 Fault Path For Test of Redundant Shut Off Paths During Initialization. Voltage Monitoring Upper Limit Shut Off Path Defect
- P1618 Fault Path For Test of Redundant Shut Off Paths During Initialization. Voltage Monitoring Lower Limit Shut Off Path Defect
- P0643 Sensor Supply Voltage 1. Voltage Above Upper Limit
- P0642 Sensor Supply Voltage 1. Voltage Below Lower Limit

P0653	Sensor Supply Voltage 2. Voltage Above Upper Limit
P0652	Sensor Supply Voltage 2. Voltage Below Lower Limit
P0699	Sensor Supply Voltage 3. Voltage Above Upper Limit
P0698	Sensor Supply Voltage 3. Voltage Below Lower Limit
P1621	Faultpath For Shut Off Test.
P1619	Power Stage Fault Status For System Lamp. Short Circuit Battery
P161A	Power Stage Fault Status For System Lamp. Short Circuit Ground
P161B	Power Stage Fault Status For System Lamp. No Load
P161C	Power Stage Fault Status For System Lamp. Excess Temperature
P2533	Error Path For Terminal 15 - Contains Plausibility Error [Sig] of T15. No Terminal 15 Signals Detected
P2530	Fault Path For Terminal 50 Component Driver - T50CD. Terminal 50 Always Pressed
P0607	TPU Monitoring. Deviation Between TPU and System Time
P2142	Fault Path For Short Circuit to Battery For TVA Power Stage. Short Circuit Battery
P2141	Fault Path For Short Circuit to Ground For TVA Power Stage. Short Circuit Ground
P0487	Fault Path For No Load and Excess Temperature For TVA Power Stage. No Load
P0488	Fault Path For No Load and Excess Temperature For TVA Power Stage. Excess Temperature
P0501	Fault Path 1 For Vehicle Speed Sensing. Exceeding of the Maximum Vehicle Speed
P1510	Fault Path 1 For Vehicle Speed Sensing. Distance Factor Not Learned
P0500	Fault Path 1 For Vehicle Speed Sensing. HW Signal For Vehicle Speed Not Valid
P0501	Fault Path 1 For Vehicle Speed Sensing. Vehicle Speed Not Plausible With Injection Mass and Engine Speed
P2158	Fault Path 2 For Vehicle Speed Sensing. Voltage Monitoring SRC Maximum
P2160	Fault Path 2 For Vehicle Speed Sensing. Voltage Monitoring SRC Minimum
P2157	Fault Path 2 For Vehicle Speed Sensing. CAN Signal For Vehicle Speed Not Valid
P2159	Fault Path 2 For Vehicle Speed Sensing. Voltage Monitoring SRC Not Plausible
P1511	Fault Path 3 For Vehicle Speed Sensing. Exceeding of the Maximum Pulse Width
P1512	Fault Path 3 For Vehicle Speed Sensing. Exceeding of the Minimum Pulse Width
P1513	Fault Path 3 For Vehicle Speed Sensing. HW Signal Frequency is Not Valid
P161D	Errorpath For Dataset Variant Coding, Npl=Requested Variant Could Not be Set, Sig=Variant Dataset Defect. Signal Fault
P161E	Errorpath For Dataset Variant Coding, Npl=Requested Variant Could Not be Set, Sig=Variant Dataset Defect. Not Plausible Fault
P0607	The Fault Path Contains the Supervision of the SPI-Handler. Set, If SPI-Communication Failed
P162F	Power Stage Fault Status For Warning Lamp. Short Circuit Battery
P1630	Power Stage Fault Status For Warning Lamp. Short Circuit Ground
P1631	Power Stage Fault Status For Warning Lamp. No Load
P1632	Power Stage Fault Status For Warning Lamp. Excess Temperature
P0647	Fault Path of Air Condition Power Stage. Short Circuit Battery

- P0646 Fault Path of Air Condition Power Stage. Short Circuit Ground
- P0645 Fault Path of Air Condition Power Stage. No Load
- P0645 Fault Path of Air Condition Power Stage. Excess Temperature
- P2608 Error Path of Power Stage Air Heater 2 Actuator. Short Circuit to Battery
- P2607 Error Path of Power Stage Air Heater 2 Actuator. Short Circuit to Ground
- P2606 Error Path of Power Stage Air Heater 2 Actuator. No Load
- P160C HpTst. HpTst Deactivates Rail Pressure Monitoring
- P0251 Error Path of Metering Unit PWM-Powerstage. Open Load of Metering Unit Output
- P0252 Error Path of Metering Unit PWM-Powerstage. Excess Temperature of Metering Unit Powerstage
- P0254 Error Path of Metering Unit PWM-Powerstage. Short Circuit to Battery of Metering Unit Output
- P0253 Error Path of Metering Unit PWM-Powerstage. Short Circuit to Ground of Metering Unit Output
- P025D Error Path of Metering Unit AD-Channel. Signal Range Check High Error of Metering Unit AD-Channel
- P025C Error Path of Metering Unit AD-Channel. Signal Range Check Low Error of Metering Unit AD-Channel
- P100E Error Path of Rail Pressure Relief Valve. PRV Was Recognised As OPEN
- P100F Error Path of Rail Pressure Relief Valve. Pressure Shock Requested
- P1010 Error Path of Rail Pressure Relief Valve. PRV Did Not Open After Pressure Shock
- P1015 Error Path of Rail Pressure Relief Valve, According to Wear of PRV. PRV Was Open More Often Than the Techn. Specification Allows
- P1016 Error Path of Rail Pressure Relief Valve, According to Wear of PRV. PRV Was Open For A Longer Time Than the Techn. Specification Allows
- P1017 Error Path of Rail Pressure Relief Valve, According to Wear of PRV. PRV Was Open More Often and For A Longer Time Than the Techn. Spec. Allows
- P0193 Error Path of Rail Pressure. Voltage Above Upper Limit
- P0192 Error Path of Rail Pressure. Voltage Below Lower Limit
- P0191 Error Path RPS Offset Monitoring. RPS Raw Value is Above Maximum Offset
- P0191 Error Path RPS Offset Monitoring. RPS Raw Value is Below Minimum Offset
- P1011 Faults For Checks In MeUn Controlled Mode. Maximum Positive Deviation of Rail Pressure Exceeded
- P1012 Faults For Checks In MeUn Controlled Mode. Maximum Positive Deviation of Rail Pressure Exceeded Concerning Set Flow of Fuel
- P1013 Faults For Checks In MeUn Controlled Mode. Maximum Negative Rail Pressure Deviation With Metering Unit On Lower Limit is Exceeded
- P0087 Faults For Checks In MeUn Controlled Mode. Minimum Rail Pressure Exceeded
- P0088 Faults For Checks In MeUn Controlled Mode. Maximum Rail Pressure Exceeded
- P101A Faults For Checks In MeUn Controlled Mode. Rail Pressure Drop Rate is Higher Then Expected
- P1014 Faults For Checks In MeUn Controlled Mode. Setpoint of Metering Unit In Overrun Mode Not Plausible
- P1018 Faults For Checks In MeUn Controlled Mode. Setpoint of Fuel Volume Flow Throught the Metering

Unit is Lower Then the Calculated Limit Value

- P1019 Faults For Checks In MeUn Controlled Mode. Maximum Positive Deviation of Governor Exceeded Concerning Set Flow of Fuel
- P0617 Fault Path For the Digital Power Stage of Starter. Short Circuit to Battery
- P0616 Fault Path For the Digital Power Stage of Starter. Short Circuit to Ground
- P0615 Fault Path For the Digital Power Stage of Starter. No Load
- P0615 Fault Path For the Digital Power Stage of Starter. Power Stage Excess Temperature
- P1676 Error Path For Main Relay 2. Main Relay Does Not Open In Time
- P1677 Error Path For Main Relay 2. SCG Error
- P0217 Error Path of Over Coolant Temperature. Coolant Temperature Above Threshold
- P101B Faults For Checks In MeUn Controlled Mode. Error Recognition Via Metering Unit Correcting Variable At Idle

- P2519 Fault Path of Air Condition Power Stage. CAN Msg. TimeOut Error
- P2519 Fault Path of Air Condition Power Stage. Non-Plausible CAN Msg. Value
- P060B Error Status of ADC Monitoring. SRC-High Error of ADC Reference Voltage
- P060B Error Status of ADC Monitoring. SRC-Low Error of ADC Reference Voltage
- P060B Error Status of ADC Monitoring. Test Impulse Error
- P060B Error Status of ADC Monitoring. ADC Queue Error
- P0113 Intake Air Temperature Sensor. Voltage Above Upper Limit
- P0112 Intake Air Temperature Sensor. Voltage Below Lower Limit
- P0101 Error Path For Plausibility Check of Offset Drift of Airmass. Airmass ADC Raw Value > Threshold High
- P0101 Error Path For Plausibility Check of Offset Drift of Airmass. Airmass ADC Raw Value < Threshold Low
- P0103 Fault Path For Plausibility Check of Sensitivity Drift of Airmass. Airmass Ratio is Higher Then Threshold High
- P0102 Fault Path For Plausibility Check of Sensitivity Drift of Airmass. Airmass Ratio is Lower Then Threshold Low
- P0103 Error Path For Signal Range Check of Airmass. Voltage Above Upper Limit
- P0102 Error Path For Signal Range Check of Airmass. Voltage Below Lower Limit
- P0123 Fault Path of Accelerator Pedal 1. Voltage Above Upper Limit
- P0122 Fault Path of Accelerator Pedal 1. Voltage Below Lower Limit
- P2135 Fault Path of Accelerator Pedal 1. Plausibility With APP2 Violated
- P0223 Fault Path of Accelerator Pedal 2. Voltage Above Upper Limit
- P0222 Fault Path of Accelerator Pedal 2. Voltage Below Lower Limit
- P2135 Fault Path of Accelerator Pedal 2. Plausibility With APP1 Violated
- P2229 Error Path of Atmospheric Pressure Sensor. Voltage Above Upper Limit

P2228	Error Path of Atmospheric Pressure Sensor. Voltage Below Lower Limit
P2226	Error Path of Atmospheric Pressure Sensor. Signal Value From CAN Not Ok
P2227	Error Path of Atmospheric Pressure Sensor. Not Plausible With Boost Pressure Sensor
P0649	Error Path For the Adjustable Speed Limit Lamp. Short Circuit Battery
P0649	Error Path For the Adjustable Speed Limit Lamp. Short Circuit Ground
P0649	Error Path For the Adjustable Speed Limit Lamp. No Load
P0649	Error Path For the Adjustable Speed Limit Lamp. Excess Temperature
P2299	Error Path For AccPed and Brake Plausibility. AccPed Signal Not Plausible
P0402	AirCtl Permanent Positive Governor Deviation. Positive Governor Deviation Above Limit
P0401	AirCtl Permanent Negative Governor Deviation. Negative Governor Deviation Below Limit
P0640	Grid Heaters Always Switched On. Multi Signal Defect
P1020	Fault Path1 of Air Heater Test Switch On. Voltage Difference Exceeds the Higher Threshold
P1021	Fault Path1 of Air Heater Test Switch On. Voltage Difference Falls Below the Lower Threshold
P1022	Fault Path2 of Air Heater Test Switch Off. Voltage Difference Exceeds the Higher Threshold
P1023	Fault Path2 of Air Heater Test Switch Off. Voltage Difference Falls Below the Lower Threshold
P0542	Error Path of Power Stage Air Heater 1 Actuator. Short Circuit to Battery
P0541	Error Path of Power Stage Air Heater 1 Actuator. Short Circuit to Ground
P0543	Error Path of Power Stage Air Heater 1 Actuator. No Load
P0048	Fault Path For Short Circuit to Battery For BPA Power Stage. Short Circuit Battery
P0047	Fault Path For Short Circuit to Ground For BPA Power Stage. Short Circuit Ground
P0045	Fault Path For No Load and Excess Temperature For BPA Power Stage. No Load
P0046	Fault Path For No Load and Excess Temperature For BPA Power Stage. Excess Temperature
P0238	Error Path For Boost Pressure Sensor. Voltage Above Upper Limit
P0237	Error Path For Boost Pressure Sensor. Voltage Below Lower Limit
P0235	Error Path For Boost Pressure Sensor. Signal Value From CAN Not Ok
P0236	Error Path For Boost Pressure Sensor. Plausibility Error
P0563	Battery Voltage Fault. Voltage Above Upper Limit
P0562	Battery Voltage Fault. Voltage Below Lower Limit
P0571	Error Path For Brake Signal. Brake Signal is Defective
P0504	Error Path For Brake Signal. Brake Signals Not Plausible
P022C	Error Path of Intercooler Bypass Valve Powerstage. Short Circuit to Battery
P022B	Error Path of Intercooler Bypass Valve Powerstage. Short Circuit to Ground
P022A	Error Path of Intercooler Bypass Valve Powerstage. No Load
P2559	Error Path For Coolant Level Sensor. Voltage Above Upper Limit
P2558	Error Path For Coolant Level Sensor. Voltage Below Lower Limit
P2556	Error Path For Coolant Level Sensor. Open Circuit
P2557	Error Path For Coolant Level Sensor. Plausibility Error
P0080	Fault Path of CRERCD Condition Power Stage. Short Circuit Battery

- P0079 Fault Path of CRERCD Condition Power Stage. Short Circuit Ground
- P1633 Fault Path of CRERCD Condition Power Stage. No Load
- P1634 Fault Path of CRERCD Condition Power Stage. Excess Temperature
- P1635 Error Path For the Cold Start Lamp. Short Circuit Battery
- P1636 Error Path For the Cold Start Lamp. Short Circuit Ground
- P1637 Error Path For the Cold Start Lamp. No Load
- P1638 Error Path For the Cold Start Lamp. Excess Temperature
- P0118 Error Path of Coolant Temperature Sensor. Voltage Above Upper Limit
- P0117 Error Path of Coolant Temperature Sensor. Voltage Below Lower Limit
- P0115 Error Path of Coolant Temperature Sensor. Can Msg. Value Defect
- P0116 Error Path of Coolant Temperature Sensor. Plausibility Defect Between OTS and CTS
- P0116 Coolant Temperature Sensor Absolute Test. Minimum Temperature Not Reached Within Time Limit
- P0116 Coolant Temperature Sensor Dynamic Test. Minimum Temperature Raise Not Reached Within Time Limit
- P0301 Error Path For Misfire Cylinder 1. Number of Recognized Misfire Events Above Limit
- P0302 Error Path For Misfire Cylinder 2. Number of Recognized Misfire Events Above Limit
- P0303 Error Path For Misfire Cylinder 3. Number of Recognized Misfire Events Above Limit
- P0304 Error Path For Misfire Cylinder 4. Number of Recognized Misfire Events Above Limit
- P0305 Error Path For Misfire Cylinder 5. Number of Recognized Misfire Events Above Limit
- P0306 Error Path For Misfire Cylinder 6. Number of Recognized Misfire Events Above Limit
- P0300 Error Path For Misfire In Multiple Cylinders. Number of Recognized Misfire Events Above Limit
- P0856 Physical Plausibility DCS. Physical Unplausibility of DCS-Demand
- P161F Faultpath For Compression Test.
- P0704 Diagnostic Fault Path Signals Errors of Main Clutch Signal. CAN Clutch Signal is Not Defined
- P0704 Diagnostic Fault Path Signals Errors of Main Clutch Signal. Clutch Signal is Not Plausible
- P0073 Error Path of Environment Air Temperature Sensor. Voltage Above Upper Limit
- P0072 Error Path of Environment Air Temperature Sensor. Voltage Below Lower Limit
- P0071 Error Path of Environment Air Temperature Sensor. Signal Error, Only In Case of CAN
- P1505 Error Path of BET Temperature Sensor. Voltage Above Upper Limit
- P1506 Error Path of BET Temperature Sensor. Voltage Below Lower Limit
- P1507 Error Path of ClgZn Temperature Sensor. Voltage Above Upper Limit
- P1508 Error Path of ClgZn Temperature Sensor. Voltage Below Lower Limit
- P1509 Error Path of Inside Air Temperature Sensor. Voltage Above Upper Limit
- P150A Error Path of Inside Air Temperature Sensor. Voltage Below Lower Limit
- P1639 Fault Path For Engine Brake Pre-Selection Switch Status. Low Idle and Service Brake Pre-Selection Switch Inputs are Not Plausible
- P245D Error Path of Power Stage For EGR Bypass Valve Actuator. Short Circuit to Battery/ Excess Temperature

- P245C Error Path of Power Stage For EGR Bypass Valve Actuator. Short Circuit to Ground
- P245A Error Path of Power Stage For EGR Bypass Valve Actuator. No Load
- P2530 Fault Path 1 For Engine Compartment Start Button. Button is Stucked
- P0473 Error Path For Exhaust Gas Pipe Pressure Sensor. Voltage Above Upper Limit
- P0472 Error Path For Exhaust Gas Pipe Pressure Sensor. Voltage Below Lower Limit
- P0470 Error Path For Exhaust Gas Pipe Pressure Sensor. Plausibility Error
- P0490 Fault Path For Short Circuit to Battery For EGR Power Stage. Short Circuit Battery
- P0489 Fault Path For Short Circuit to Ground For EGR Power Stage. Short Circuit Ground
- P0404 Fault Path For No Load and Excess Temperature For EGR Power Stage. No Load
- P0403 Fault Path For No Load and Excess Temperature For EGR Power Stage. Excess Temperature
- P0008 If Running With Cam-Shaft Only is Active the Fault Path is Set. BackUp Mode Active
- P0340 Error Path of Camshaft Failure. No Camshaft Signal
- P0341 Error Path of Camshaft Failure. Wrong Camshaft Signal
- P0335 Error Path of Crankshaft Failure. No Crankshaft Signal
- P0336 Error Path of Crankshaft Failure. Wrong Crankshaft Signal
- P0016 Error Path of Offset Between Camshaft and Crankshaft. Offset Between Camshaft and Crankshaft
- P0219 Fault Path of Engine Protection. Overspeed Detected
- P0478 Error Path For Short Circuit to Batt of Power Stage For Exhaust Flap Actuator. Short Circuit to Battery/
Excess Temperature
- P0477 Error Path Short Circuit to Ground of Power Stage For Exhaust Flap Actuator. Short Circuit to Ground
- P0476 Error Path For Open Circuit and Excess Temperature of Exhaust Flap Actuator. No Load
- P0476 Error Path For Open Circuit and Excess Temperature of Exhaust Flap Actuator. Excess Temperature
- P1007 Fault FMTC_Trq2QBas_MAP Contains Non Strictly Monotonus Q Curves. Not Plausible Fault
- P0183 FaultPath For Fuel Temperature Sensor. Voltage Above Upper Limit
- P0182 FaultPath For Fuel Temperature Sensor. Voltage Below Lower Limit
- P0692 Error Path of Power Stage Fan Actuator. Short Circuit to Battery
- P0691 Error Path of Power Stage Fan Actuator. Short Circuit to Ground
- P0480 Error Path of Power Stage Fan Actuator. No Load
- P0483 Error Path of Power Stage Fan Actuator. Excess Temperature
- P0694 Error Path of Power Stage Fan 2 Actuator. Short Circuit to Battery
- P0693 Error Path of Power Stage Fan 2 Actuator. Short Circuit to Ground
- P0481 Error Path of Power Stage Fan 2 Actuator. No Load
- P0526 Error Path of Fan Speed Sensor Signal. Short Circuit to Battery
- P0527 Error Path of Fan Speed Sensor Signal. Short Circuit to Ground
- P1015 Fuel Filter Fouling Switch. Voltage Above Upper Limit
- P1016 Fuel Filter Fouling Switch. Voltage Below Lower Limit
- P1017 Fuel Filter Fouling Switch. Fuel Filter Fouling Switch Not Plausible
- P1008 Fault Path For Fuel Filter Heating Output. Short Circuit Battery

P1009	Fault Path For Fuel Filter Heating Output. Short Circuit Ground
P100A	Fault Path For Fuel Filter Heating Output. No Load
P100B	Fault Path For Fuel Filter Heating Output. Excess Temperature
P2267	Water In Fuel Sensor. Voltage Above Upper Limit
P2266	Water In Fuel Sensor. Voltage Below Lower Limit
P1018	Fuel Filter Fouling Detection. Fuel Filter Fouled
P2269	Dfp For Water Detection Sensor. Set When Sensor is Active
P0406	Dfp For Heater Used In EGR Mass Flow Rate. Sensor Short Circuit to Battery
P0405	Dfp For Heater Used In EGR Mass Flow Rate. Sensor Short Circuit to Ground
P0409	Dfp For Heater Used In EGR Mass Flow Rate. Sensor Open
P0409	Dfp For Heater Used In EGR Mass Flow Rate. Defective Intelligent Device
P040D	Dfp For Recirculated Engine Exhaust Gas Temperature Sensor. Sensor Short Circuit to Battery
P040C	Dfp For Recirculated Engine Exhaust Gas Temperature Sensor. Sensor Short Circuit to Ground
P040A	Dfp For Recirculated Engine Exhaust Gas Temperature Sensor. Sensor Open
P040B	Dfp For Recirculated Engine Exhaust Gas Temperature Sensor. Defective Intelligent Device
U0158	Dfp For Message DashDspl. Timeout For DashDspl
P0000	Faults of CAN Message EBC1. Timeout of CAN Message EBC1
U1100	Dfp For Message ERC1DR. Timeout For ERC1DR
U0103	Faults of CAN Message ETC1. Timeout of CAN Message ETC1
U0113	Dfp For CAN Message EngGsFlowRt. Timeout For EngGsFlowRt
U1101	Dfp Timeout For Message HRVD. Timeout For HRVD
U0156	Df P For Message RxAMCON. Timeout For RxAMCON
U0104	Dfp For Time-Out Error of RxCCVS Message. Fadeout is Inactive and Time-Out of Message
U1102	Dfp For CAN Message RxEngTemp2. Timeout For RxEngTemp2
U0157	Faults of CAN Message TCO1. Timeout of CAN Message TCO1
U1103	Dfp For Message TF. Timeout For TF
U1104	Dfp For Messages TSC1-AE. Timeout For TSC1-AE, When Active
U1105	Dfp For Messages TSC1-AE. Timeout For TSC1-AE, When Inactive
U1106	Dfp For Message TSC1-AR. Timeout For TSC1-AR, When Active
U1107	Dfp For Message TSC1-AR. Timeout For TSC1-AR, When Inactive
U1108	Dfp For Messages TSC1-DE. Timeout For TSC1-DE, When Active
U1109	Dfp For Messages TSC1-DE. Timeout For TSC1-DE, When Inactive
U110A	Dfp For Message TSC1-DR. Timeout For TSC1-DR, When Active
U110B	Dfp For Message TSC1-DR. Timeout For TSC1-DR, When Inactive
U110C	Dfp For Message TSC1-PE. Timeout For TSC1-PE, When Active
U110D	Dfp For Message TSC1-PE. Timeout For TSC1-PE, When Inactive
U110E	Dfp For Messages TSC1-TE. Timeout For TSC1-TE, When Active
U110F	Dfp For Messages TSC1-TE. Timeout For TSC1-TE, When Inactive

U113A	Dfp For Message TSC1-TR. Timeout For TSC1-TR, When Active
U113B	Dfp For Message TSC1-TR. Timeout For TSC1-TR, When Inactive
U1110	Dfp For Messages TSC1-VE. Timeout For TSC1-VE, When Active
U1111	Dfp For Messages TSC1-VE. Timeout For TSC1-VE, When Inactive
U1112	Dfp For Message TSC1-VR. Timeout For TSC1-VR, When Active
U1113	Dfp For Message TSC1-VR. Timeout For TSC1-VR, When Inactive
U1114	Dfp Timeout For Message TimeDate. Timeout For TimeDate
U1115	Faults of CAN Message WSI. Timeout of CAN Message WSI
U0001	Faults In CAN Send Messages. Timeout In CAN Send Messages
U0404	Physical Plausibility TSC. Physical Unplausibility of TSC-Demand
P1623	Power Stage Fault Status For Generic Lamp 1. Short Circuit Battery
P1624	Power Stage Fault Status For Generic Lamp 1. Short Circuit Ground
P1625	Power Stage Fault Status For Generic Lamp 1. No Load
P1626	Power Stage Fault Status For Generic Lamp 1. Excess Temperature
P1627	Power Stage Fault Status For Generic Lamp 2. Short Circuit Battery
P1628	Power Stage Fault Status For Generic Lamp 2. Short Circuit Ground
P1629	Power Stage Fault Status For Generic Lamp 2. No Load
P162A	Power Stage Fault Status For Generic Lamp 2. Excess Temperature
P162B	Power Stage Fault Status For Generic Lamp 3. Short Circuit Battery
P162C	Power Stage Fault Status For Generic Lamp 3. Short Circuit Ground
P162D	Power Stage Fault Status For Generic Lamp 3. No Load
P162E	Power Stage Fault Status For Generic Lamp 3. Excess Temperature
P060A	Error State Communication - SPI. Communication Error of CJ940
P062F	Error State of EEPROM. Error During Last Read Operation
P062F	Error State of EEPROM. Error During Last Write Operation
P062F	Error State of EEPROM. Default Value Used
P0607	Error Path For Recovery Which is Locked. A Recovery has Occurred
P0607	Error Path For Recovery Which is Suppressed. A Recovery has Occurred
P0607	Error Path For Recovery Which is Visible. A Recovery has Occurred
P1607	Error State Supply Voltage CJ940 Upper Limit. Internal Supply Voltage Upper Limit
P1608	Error State Supply Voltage CJ940 Lower Limit. Internal Supply Voltage Lower Limit
P150B	Error Path of Air Humidity Sensor. Ratio Value Above Upper Limit
P150C	Error Path of Air Humidity Sensor. Ratio Value Below Lower Limit
P0098	Error Path of Air Temperature Sensor. Voltage Above Upper Limit
P0097	Error Path of Air Temperature Sensor. Voltage Below Lower Limit
P0099	Error Path of Air Temperature Sensor. CAN Signal Defect
P1300	Fault Path of Injection Limitation. Number of Injections Limited By Charge Balance
P1301	Fault Path of Injection Limitation. Number of Injections Limited By Quantity Balance

P1302	Fault Path of Injection Limitation. Number of Injections Limited By Software
P1203	Faultpath Bank1-Specific Errors -> Stop Engine. Short Circuit
P1204	Faultpath Bank1-Specific Errors -> Stop Engine. Short Circuit On Low Side to Ground
P1205	Faultpath Bank1-Specific Errors -> Stop Engine. Depending On Application
P1206	Faultpath Bank1-Specific Errors -> Stop Engine. Not-Classifyable Error
P1207	Faultpath Bank1-Specific Warnings -> Stop Engine. Depending On Application
P1208	Faultpath Bank1-Specific Warnings -> Stop Engine. Depending On Application
P1209	Faultpath Bank1-Specific Warnings -> Stop Engine. Open Load
P120A	Faultpath Bank1-Specific Warnings -> Stop Engine. Depending On Application
P120B	Faultpath Bank2-Specific Errors -> Stop Engine. Short Circuit
P120C	Faultpath Bank2-Specific Errors -> Stop Engine. Short Circuit On Low Side to Ground
P120D	Faultpath Bank2-Specific Errors -> Stop Engine. Depending On Application
P120E	Faultpath Bank2-Specific Errors -> Stop Engine. Not-Classifyable Error
P120F	Faultpath Bank2-Specific Warnings -> Stop Engine. Depending On Application
P1210	Faultpath Bank2-Specific Warnings -> Stop Engine. Depending On Application
P1211	Faultpath Bank2-Specific Warnings -> Stop Engine. Open Load
P1212	Faultpath Bank2-Specific Warnings -> Stop Engine. Depending On Application
P062B	Faultpath Chip-Specific Errors -> Stop Engine. CY33X Internal Reset / Clockloss / Undervoltage
P062B	Faultpath Chip-Specific Errors -> Stop Engine. CY33X is Unlocked / CY33X Init Error
P062B	Faultpath Chip-Specific Errors -> Stop Engine. CY33X is In Testmode
P062B	Faultpath Chip-Specific Errors -> Stop Engine. CY33X SPI Communication Error /Checksum/Readback
P062B	Faultpath Chip-Specific Errors -> Stop Engine. CY33X Internal Parity Error
P062B	Faultpath Chip-Specific Errors -> Stop Engine. CY33X Internal Program Flow Error
P062B	Faultpath Chip-Specific Errors -> Stop Engine. CY33X Check of Inv. YSEL During ON Failed
P062B	Faultpath Chip-Specific Errors -> Stop Engine. CY33X ON Timeout For At Least 1 Cylinder
P0262	Faultpath Cylinder1-Specific Errors -> Stop Engine. Short Circuit On Low Side to Battery
P0263	Faultpath Cylinder1-Specific Errors -> Stop Engine. Depending On Application
P0261	Faultpath Cylinder1-Specific Errors -> Stop Engine. Short Circuit Low Side to High Side
P0263	Faultpath Cylinder1-Specific Errors -> Stop Engine. Not-Classifyable Error
P1213	Faultpath Cylinder1-Specific Warnings. Depending On Application
P1214	Faultpath Cylinder1-Specific Warnings. Depending On Application
P0201	Faultpath Cylinder1-Specific Warnings. Open Load
P1215	Faultpath Cylinder1-Specific Warnings. Depending On Application
P0265	Faultpath Cylinder2-Specific Errors -> Stop Engine. Short Circuit On Low Side to Battery
P0266	Faultpath Cylinder2-Specific Errors -> Stop Engine. Depending On Application
P0264	Faultpath Cylinder2-Specific Errors -> Stop Engine. Short Circuit Low Side to High Side
P0266	Faultpath Cylinder2-Specific Errors -> Stop Engine. Not-Classifyable Error
P1216	Faultpath Cylinder2-Specific Warnings. Depending On Application

P1217	Faultpath Cylinder2-Specific Warnings. Depending On Application
P0202	Faultpath Cylinder2-Specific Warnings. Open Load
P1218	Faultpath Cylinder2-Specific Warnings. Depending On Application
P0268	Faultpath Cylinder3-Specific Errors -> Stop Engine. Short Circuit On Low Side to Battery
P0269	Faultpath Cylinder3-Specific Errors -> Stop Engine. Depending On Application
P0267	Faultpath Cylinder3-Specific Errors -> Stop Engine. Short Circuit Low Side to High Side
P0269	Faultpath Cylinder3-Specific Errors -> Stop Engine. Not-Classifyable Error
P1219	Faultpath Cylinder3-Specific Warnings. Depending On Application
P121A	Faultpath Cylinder3-Specific Warnings. Depending On Application
P0203	Faultpath Cylinder3-Specific Warnings. Open Load
P121B	Faultpath Cylinder3-Specific Warnings. Depending On Application
P0271	Faultpath Cylinder4-Specific Errors -> Stop Engine. Short Circuit On Low Side to Battery
P0272	Faultpath Cylinder4-Specific Errors -> Stop Engine. Depending On Application
P0270	Faultpath Cylinder4-Specific Errors -> Stop Engine. Short Circuit Low Side to High Side
P0272	Faultpath Cylinder4-Specific Errors -> Stop Engine. Not-Classifyable Error
P121C	Faultpath Cylinder4-Specific Warnings. Depending On Application
P121D	Faultpath Cylinder4-Specific Warnings. Depending On Application
P0204	Faultpath Cylinder4-Specific Warnings. Open Load
P121E	Faultpath Cylinder4-Specific Warnings. Depending On Application
P0274	Faultpath Cylinder5-Specific Errors -> Stop Engine. Short Circuit On Low Side to Battery
P0275	Faultpath Cylinder5-Specific Errors -> Stop Engine. Depending On Application
P0273	Faultpath Cylinder5-Specific Errors -> Stop Engine. Short Circuit Low Side to High Side
P0275	Faultpath Cylinder5-Specific Errors -> Stop Engine. Not-Classifyable Error
P121F	Faultpath Cylinder5-Specific Warnings. Depending On Application
P1220	Faultpath Cylinder5-Specific Warnings. Depending On Application
P0205	Faultpath Cylinder5-Specific Warnings. Open Load
P1221	Faultpath Cylinder5-Specific Warnings. Depending On Application
P0277	Faultpath Cylinder6-Specific Errors -> Stop Engine. Short Circuit On Low Side to Battery
P0278	Faultpath Cylinder6-Specific Errors -> Stop Engine. Depending On Application
P0276	Faultpath Cylinder6-Specific Errors -> Stop Engine. Short Circuit Low Side to High Side
P0278	Faultpath Cylinder6-Specific Errors -> Stop Engine. Not-Classifyable Error
P1222	Faultpath Cylinder6-Specific Warnings. Depending On Application
P1223	Faultpath Cylinder6-Specific Warnings. Depending On Application
P0206	Faultpath Cylinder6-Specific Warnings. Open Load
P1224	Faultpath Cylinder6-Specific Warnings. Depending On Application
P1225	Faultpath - The Minimal Number of Injections Was Not Reached -> Stop Engine. The Minimal Number of Injections Was Not Reached
P0000	Faultpath - The Minimal Number of Injections Was Not Reached -> Stop Engine. Not Used

P0000	Faultpath - The Minimal Number of Injections Was Not Reached -> Stop Engine. Not Used
P0000	Faultpath - The Minimal Number of Injections Was Not Reached -> Stop Engine. Not Used
P0564	Fault Path For Cruise Control Actuating Device Evaluation Error. Invalid Switch Combinations
P0650	Power Stage Fault Status For MIL. Short Circuit Battery
P0650	Power Stage Fault Status For MIL. Short Circuit Ground
P0650	Power Stage Fault Status For MIL. No Load
P0650	Power Stage Fault Status For MIL. Excess Temperature
P0687	Error Path For Main Relay. Main Relay Does Not Open In Time
P0686	Error Path For Main Relay. Main Relay Opens Too Early
P154A	Error Path of Multiple State Switch. Short Circuit to Battery
P154B	Error Path of Multiple State Switch. Short Circuit to Ground
P154C	Error Path of Multiple State Switch. Multiple State Switch Not Plausible
P160E	Error Path For Main Relay 1. Short Circuit to Battery Error
P160F	Error Path For Main Relay 1. Short Circuit to Ground Error
P060C	The Fault Path Contains the Supervision of the Communication Between Watchdog of CY310 and the Controller. The Path is Used to Handle the Reversible Shut-Down of the System Using the Engine Coordinator. Set, If Error-Counter of Watchdog Or Controller are Not Plausible Or the System Must Shut Down
	137
U0029	Busoff In CAN A. Busoff In CAN A
U0038	Busoff In CAN B. Busoff In CAN B
U0047	Busoff In CAN C. Busoff In CAN C
P250D	Error Path For Engine Oil Level Sensor. Voltage Above Upper Limit
P250C	Error Path For Engine Oil Level Sensor. Voltage Below Lower Limit
P250A	Error Path For Engine Oil Level Sensor. Signal From CAN Not OK
P250B	Error Path For Engine Oil Level Sensor. Plausibility Error
P0523	Error Path of Oil Pressure Sensor. Voltage Above Upper Limit
P0522	Error Path of Oil Pressure Sensor. Voltage Below Lower Limit
P0520	Error Path of Oil Pressure Sensor. Hardware Signal Error
P0521	Error Path of Oil Pressure Sensor. Plausibility Check - Oil Pressure Too High
P0524	Error Path For Oil Pressure Too Low Error. Plausibility Check - Oil Pressure Too Low
P0198	Error Path of Oil Temperature Sensor. Voltage Above Upper Limit
P0197	Error Path of Oil Temperature Sensor. Voltage Below Lower Limit
P0195	Error Path of Oil Temperature Sensor. Signal Error For CAN
P100D	Error Path of Oil Temperature Sensor. Plausibility Error Between OTS and CTS
P0196	Error Path of Oil Temperature Sensor For Above Normal Error. Plausibility Error OTS Temperature Above Normal
P1613	Fault Path of Overrun Monitoring. Energising Time Exceeds Limit of Overrun Monitoring

- P1614 Fault Path For Redundant Engine Speed Calculation In Overrun Monitoring. Plausibility Error In Engine Speed Check
- P2263 Permanent Governor Deviation In PCR. Positive Governor Deviation Above Limit
- P2263 Permanent Governor Deviation In PCR. Negative Governor Deviation Below Limit
- P0629 Error Path of Power Stage Pre-Supply Pump. Short Circuit Battery
- P0628 Error Path of Power Stage Pre-Supply Pump. Short Circuit Ground
- P0627 Error Path of Power Stage Pre-Supply Pump. No Load
- P062A Error Path of Power Stage Pre-Supply Pump. Excess Temperature
- P1615 Faultpath For Runup Test. Is Set to Deaktivate Misfire Detection During Runup Test
- P1616 Fault Path For Test of Redundant Shut Off Paths During Initialization. Watch Dog Switch Off Path Defect
- P1617 Fault Path For Test of Redundant Shut Off Paths During Initialization. Voltage Monitoring Upper Limit Shut Off Path Defect
- P1618 Fault Path For Test of Redundant Shut Off Paths During Initialization. Voltage Monitoring Lower Limit Shut Off Path Defect
- P0643 Sensor Supply Voltage 1. Voltage Above Upper Limit
- P0642 Sensor Supply Voltage 1. Voltage Below Lower Limit
- P0653 Sensor Supply Voltage 2. Voltage Above Upper Limit
- P0652 Sensor Supply Voltage 2. Voltage Below Lower Limit
- P0699 Sensor Supply Voltage 3. Voltage Above Upper Limit
- P0698 Sensor Supply Voltage 3. Voltage Below Lower Limit
- P1621 Faultpath For Shut Off Test.
- P1619 Power Stage Fault Status For System Lamp. Short Circuit Battery
- P161A Power Stage Fault Status For System Lamp. Short Circuit Ground
- P161B Power Stage Fault Status For System Lamp. No Load
- P161C Power Stage Fault Status For System Lamp. Excess Temperature
- P2533 Error Path For Terminal 15 - Contains Plausibility Error [Sig] of T15. No Terminal 15 Signals Detected
- P2530 Fault Path For Terminal 50 Component Driver - T50CD. Terminal 50 Always Pressed
- P0607 TPU Monitoring. Deviation Between TPU and System Time
- P2142 Fault Path For Short Circuit to Battery For TVA Power Stage. Short Circuit Battery
- P2141 Fault Path For Short Circuit to Ground For TVA Power Stage. Short Circuit Ground
- P0487 Fault Path For No Load and Excess Temparature For TVA Power Stage. No Load
- P0488 Fault Path For No Load and Excess Temparature For TVA Power Stage. Excess Temperature
- P0501 Fault Path 1 For Vehicle Speed Sensing. Exceeding of the Maximum Vehicle Speed
- P1510 Fault Path 1 For Vehicle Speed Sensing. Distance Factor Not Learned
- P0500 Fault Path 1 For Vehicle Speed Sensing. HW Signal For Vehicle Speed Not Valid
- P0501 Fault Path 1 For Vehicle Speed Sensing. Vehicle Speed Not Plausible With Injection Mass and Engine Speed

- P2158 Fault Path 2 For Vehicle Speed Sensing. Voltage Monitoring SRC Maximum
- P2160 Fault Path 2 For Vehicle Speed Sensing. Voltage Monitoring SRC Minimum
- P2157 Fault Path 2 For Vehicle Speed Sensing. CAN Signal For Vehicle Speed Not Valid
- P2159 Fault Path 2 For Vehicle Speed Sensing. Voltage Monitoring SRC Not Plausible
- P1511 Fault Path 3 For Vehicle Speed Sensing. Exceeding of the Maximum Pulse Width
- P1512 Fault Path 3 For Vehicle Speed Sensing. Exceeding of the Minimum Pulse Width
- P1513 Fault Path 3 For Vehicle Speed Sensing. HW Signal Frequency is Not Valid
- P161D Errorpath For Dataset Variant Coding, Npl=Requested Variant Could Not be Set, Sig=Variant Dataset Defect. Signal Fault
- P161E Errorpath For Dataset Variant Coding, Npl=Requested Variant Could Not be Set, Sig=Variant Dataset Defect. Not Plausible Fault
- P0607 The Fault Path Contains the Supervision of the SPI-Handler. Set, If SPI-Communication Failed
- P162F Power Stage Fault Status For Warning Lamp. Short Circuit Battery
- P1630 Power Stage Fault Status For Warning Lamp. Short Circuit Ground
- P1631 Power Stage Fault Status For Warning Lamp. No Load
- P1632 Power Stage Fault Status For Warning Lamp. Excess Temperature
- P0647 Fault Path of Air Condition Power Stage. Short Circuit Battery
- P0646 Fault Path of Air Condition Power Stage. Short Circuit Ground
- P0645 Fault Path of Air Condition Power Stage. No Load
- P0645 Fault Path of Air Condition Power Stage. Excess Temperature
- P2608 Error Path of Power Stage Air Heater 2 Actuator. Short Circuit to Battery
- P2607 Error Path of Power Stage Air Heater 2 Actuator. Short Circuit to Ground
- P2606 Error Path of Power Stage Air Heater 2 Actuator. No Load
- P160C HpTst. HpTst Deactivates Rail Pressure Monitoring
- P0251 Error Path of Metering Unit PWM-Powerstage. Open Load of Metering Unit Output
- P0252 Error Path of Metering Unit PWM-Powerstage. Excess Temperature of Metering Unit Powerstage
- P0254 Error Path of Metering Unit PWM-Powerstage. Short Circuit to Battery of Metering Unit Output
- P0253 Error Path of Metering Unit PWM-Powerstage. Short Circuit to Ground of Metering Unit Output
- P025D Error Path of Metering Unit AD-Channel. Signal Range Check High Error of Metering Unit AD-Channel
- P025C Error Path of Metering Unit AD-Channel. Signal Range Check Low Error of Metering Unit AD-Channel
- P100E Error Path of Rail Pressure Relief Valve. PRV Was Recognised As OPEN
- P100F Error Path of Rail Pressure Relief Valve. Pressure Shock Requested
- P1010 Error Path of Rail Pressure Relief Valve. PRV Did Not Open After Pressure Shock
- P1015 Error Path of Rail Pressure Relief Valve, According to Wear of PRV. PRV Was Open More Often Than the Techn. Specification Allows
- P1016 Error Path of Rail Pressure Relief Valve, According to Wear of PRV. PRV Was Open For A Longer Time Than the Techn. Specification Allows

- P1017 Error Path of Rail Pressure Relief Valve, According to Wear of PRV. PRV Was Open More Often and For A Longer Time Than the Techn. Spec. Allows
- P0193 Error Path of Rail Pressure. Voltage Above Upper Limit
- P0192 Error Path of Rail Pressure. Voltage Below Lower Limit
- P0191 Error Path RPS Offset Monitoring. RPS Raw Value is Above Maximum Offset
- P0191 Error Path RPS Offset Monitoring. RPS Raw Value is Below Minimum Offset
- P1011 Faults For Checks In MeUn Controlled Mode. Maximum Positive Deviation of Rail Pressure Exceeded
- P1012 Faults For Checks In MeUn Controlled Mode. Maximum Positive Deviation of Rail Pressure Exceeded Concerning Set Flow of Fuel
- P1013 Faults For Checks In MeUn Controlled Mode. Maximum Negative Rail Pressure Deviation With Metering Unit On Lower Limit is Exceeded
- P0087 Faults For Checks In MeUn Controlled Mode. Minimum Rail Pressure Exceeded
- P0088 Faults For Checks In MeUn Controlled Mode. Maximum Rail Pressure Exceeded
- P101A Faults For Checks In MeUn Controlled Mode. Rail Pressure Drop Rate is Higher Then Expected
- P1014 Faults For Checks In MeUn Controlled Mode. Setpoint of Metering Unit In Overrun Mode Not Plausible
- P1018 Faults For Checks In MeUn Controlled Mode. Setpoint of Fuel Volume Flow Throught the Metering Unit is Lower Then the Calculated Limit Value
- P1019 Faults For Checks In MeUn Controlled Mode. Maximum Positive Deviation of Governor Exceeded Concerning Set Flow of Fuel
- P0617 Fault Path For the Digital Power Stage of Starter. Short Circuit to Battery
- P0616 Fault Path For the Digital Power Stage of Starter. Short Circuit to Ground
- P0615 Fault Path For the Digital Power Stage of Starter. No Load
- P0615 Fault Path For the Digital Power Stage of Starter. Power Stage Excess Temperature
- P1676 Error Path For Main Relay 2. Main Relay Does Not Open In Time
- P1677 Error Path For Main Relay 2. SCG Error
- P0217 Error Path of Over Coolant Temperature. Coolant Temperature Above Threshold
- P101B Faults For Checks In MeUn Controlled Mode. Error Recognition Via Metering Unit Correcting Variable At Idle
- 0660 Error State of EEPROM -
- 0Bf1 Fault Path For Short Circuit to Batery Or Ground, No Load, Or Excess Temperature For Low Side Power Stage - Short Circuit Ground
- 0Bf2 Fault Path For Short Circuit to Batery Or Ground, No Load, Or Excess Temperature For Low Side Power Stage - No Load
- 0C10 Faults For Checks In MeUn Controlled Mode - Error Recognition Via Metering Unit Correcting Variable At Idle
- 0C20 Error Path Indicating the Error In One Brake Swithc - Brake Switch Failure
- 0C30 Error Path Used to Inhibit Cruise Control Release Before A Successful Brake Actuation - Realease of

Cruise Control

- 0C40 Error Path Used to Glow the Error/System Lamp Indicating the Request of Cruise Control Without A Brake Actuation - Glow the Error Lamp
- 0C50 Fault Path of Remote Pedal1 - Voltage Above Upper Limit
- 0C51 Fault Path of Remote Pedal1 - Voltage Below Lower Limit
- 0C52 Fault Path of Remote Pedal1 - Plausibility With RmtAPP2 Violated
- 0C60 Fault Path of Remote Pedal2 - Voltage Above Upper Limit
- 0C61 Fault Path of Remote Pedal2 - Voltage Below Lower Limit
- 0C62 Fault Path of Remote Pedal2 - Plausibility With RmtAPP2 Violated
- 0660 Error State of EEPROM -
- 0Bf1 Fault Path For Short Circuit to Batery Or Ground, No Load, Or Excess Temperature For Low Side Power Stage - Short Circuit Ground
- 0Bf2 Fault Path For Short Circuit to Batery Or Ground, No Load, Or Excess Temperature For Low Side Power Stage - No Load
- 0C10 Faults For Checks In MeUn Controlled Mode - Error Recognition Via Metering Unit Correcting Variable At Idle
- 0C20 Error Path Indicating the Error In One Brake Switc - Brake Switch Failure
- 0C30 Error Path Used to Inhibit Cruise Control Release Before A Successful Brake Actuation - Realease of Cruise Control
- 0C40 Error Path Used to Glow the Error/System Lamp Indicating the Request of Cruise Control Without A Brake Actuation - Glow the Error Lamp
- 0C50 Fault Path of Remote Pedal1 - Voltage Above Upper Limit
- 0C51 Fault Path of Remote Pedal1 - Voltage Below Lower Limit
- 0C52 Fault Path of Remote Pedal1 - Plausibility With RmtAPP2 Violated
- 0C60 Fault Path of Remote Pedal2 - Voltage Above Upper Limit
- 0C61 Fault Path of Remote Pedal2 - Voltage Below Lower Limit
- 0C62 Fault Path of Remote Pedal2 - Plausibility With RmtAPP2 Violated
- 0660 Error State of EEPROM -
- 0Bf1 Fault Path For Short Circuit to Batery Or Ground, No Load, Or Excess Temperature For Low Side Power Stage - Short Circuit Ground
- 0Bf2 Fault Path For Short Circuit to Batery Or Ground, No Load, Or Excess Temperature For Low Side Power Stage - No Load
- 0C10 Faults For Checks In MeUn Controlled Mode - Error Recognition Via Metering Unit Correcting Variable At Idle
- 0C20 Error Path Indicating the Error In One Brake Switc - Brake Switch Failure
- 0C30 Error Path Used to Inhibit Cruise Control Release Before A Successful Brake Actuation - Realease of Cruise Control
- 0C40 Error Path Used to Glow the Error/System Lamp Indicating the Request of Cruise Control Without A

	Brake Actuation - Glow the Error Lamp
0C50	Fault Path of Remote Pedal1 - Voltage Above Upper Limit
0C51	Fault Path of Remote Pedal1 - Voltage Below Lower Limit
0C52	Fault Path of Remote Pedal1 - Plausibility With RmtAPP2 Violated
0C60	Fault Path of Remote Pedal2 - Voltage Above Upper Limit
0C61	Fault Path of Remote Pedal2 - Voltage Below Lower Limit
0C62	Fault Path of Remote Pedal2 - Plausibility With RmtAPP2 Violated
0660	Error State of EEPROM -
0Bf1	Fault Path For Short Circuit to Batery Or Ground, No Load, Or Excess Temparature For Low Side Power Stage - Short Circuit Ground
0Bf2	Fault Path For Short Circuit to Batery Or Ground, No Load, Or Excess Temparature For Low Side Power Stage - No Load
0C10	Faults For Checks In MeUn Controlled Mode - Error Recognition Via Metering Unit Correcting Variable At Idle
0C20	Error Path Indicating the Error In One Brake Switche - Brake Switch Failure
0C30	Error Path Used to Inhibit Cruise Control Release Before A Successful Brake Actuation - Realease of Cruise Control
0C40	Error Path Used to Glow the Error/System Lamp Indicating the Request of Cruise Control Without A Brake Actuation - Glow the Error Lamp
0C50	Fault Path of Remote Pedal1 - Voltage Above Upper Limit
0C51	Fault Path of Remote Pedal1 - Voltage Below Lower Limit
0C52	Fault Path of Remote Pedal1 - Plausibility With RmtAPP2 Violated
0C60	Fault Path of Remote Pedal2 - Voltage Above Upper Limit

1.1.10.2 Chao Chai EURO V HFC4DF1 Syetem

1.1.10.2.1 4DF1 EURO V Diesel Engine

P0100	Battery Voltageerrorof Hfm Sensor
P0101	Dfc For Maximum Difference Plausibility Of Afs Drift Adjustment
P0101	Dfc For Plausibility Of Afs Drift Adjustment
	Low Idle Correction Factor Of The Drift Compensation Function Exceed The
P0101	Maximum Drift Limit
	Load Correction Factor Of The Drift Compensation Function Exceed The Maximum
P0101	Drift Limit
P0101	Sensitivity Drift Higherrorfor Hfmsensor

P0101 Sensitivity Drift Errorlowfor Hfmsensor
P0103 Hardware Errordetectionfor Hfm Sensor
P0103 Src High Error For Raw Value In Hfm Sensor
P0102 Src Low Errorfor Rawvalue In Hfm Sensor
P0645 No Load Error On Power Stage For The Compressor
P0645 Over Temperature Error On Powerstage For The Compressor
P0645 No Load Error On Power Stage For The Reduce Torque Instruction Compressor
Over Temperature Error On Powerstage For The Reduce Torque Instruction
P0645 Compressor
Short Circuit To Battery Error On Power Stage For The Reduce Torque
P0647 Instruction Compressor
Shortcircuit Toground Erroron Power Stage For The Reducetorque Instruction
P0646 Compressor
P0647 Shortcircuit Tobattery Erroron Power Stage For The Compressor
P0646 Short Circuit To Ground Error On Power Stage For The Compressor
U0424 Air Compressorswitch Plausibilityerrorfor Caninput
U0466 Air Compressorswitch Signalerrorfor Caninput
P0101 Positive Airtcl Governor Deviation Abovelimit For Regeneration
P0101 Negative Airtcl Governor Deviation Belowlimit For Regeneration
P0402 Air Control System Governor Deviation Above Limit
P0401 Air Control System Governor Deviation Below Limit
P0100 Error Path For Too Longtime Spent In Transtion Modern Tonrm For Aircontrol
P2609 Dfc For Src High Error In Air Heater During Off
P2609 Dfc For Src Low Error In Air Heater During Off
P2609 Dfc For Src High Error In Air Heater During On
P2609 Dfc For Src Low Error In Air Heater During On
P2609 Dfc For Grid Heater Always Switched On
P1000 Error Of The First Fresh Air Temperature Sensor At Cold Start
P1001 Error Of The First Fresh Air Temperature Sensor At Cold Start
P1002 Error Of The First Fresh Air Temperature Sensor At Cold Start
P1003 Error Of The First Fresh Air Temperature Sensor At Cold Start
P1004 Error Of The First Fresh Air Temperature Sensor At Cold Start
Event Of An Error In Case Of More Than One Fresh Air Temperature Sensor At
P1005 Cold Start
P0659 Dfc For Short Circuit To Battery Of Actuator Relay With Index X=0
P2671 Dfc For Short Circuit To Battery Of Actuator Relay With Index X=1
P2686 Dfc For Short Circuit To Battery Of Actuator Relay With Index X=2
P0658 Dfc For Short Circuit To Ground Of Actuator Relay With Index X=0

P2670 Dfc For Short Circuit To Ground Of Actuator Relay With Index X=1
 P2685 Dfc For Short Circuit To Ground Of Actuator Relay With Index X=2
 P0563 Signal Range Check High Error For Battery Voltage Sensor
 P0562 Signal Range Check Low Error For Battery Voltage Sensor
 P0563 Src High For Battery Voltage Sensor
 P0562 Src Low For Battery Voltage Sensor
 P0504 Dfc For Non Plausibility Of Brake Status
 P0504 Cruise Control Release Failure
 P0504 Plausibilitycheck For Brake
 P0504 Dfc For Non Plausibility Of Brake Status (In Single Brake System)
 P0571 Sig Error For Brake
 U0073 Diagnostic Fault Check Of Detection Of Error-Passive On Can A
 U0073 Diagnostic Fault Check Of Detection Of Error-Passive On Can B
 U0073 Diagnostic Fault Check Of Detection Of Error-Passive On Can C
 U0073 Diagnostic Fault Check Of Detection Of Error-Passive On Can D
 U0073 Diagnostic Fault Check Of Detection Of Bus Off On Can A
 U0073 Diagnostic Fault Check Of Detection Of Bus Off On Can B
 U0073 Diagnostic Fault Check Of Detection Of Bus Off On Can C
 U0073 Diagnostic Fault Check Of Detection Of Bus Off On Can D
 P0116 Defect Fault Check For Coolant Temperature Absolute Plausibility Test
 P0116 Defect Fault Check For Coolant Temperature Dynamic Plausibility Test
 U0116 Can Signal Error Of Engine Coolant Temperature (Down Stream)
 P0118 Src High For Engine Coolant Temperature (Down Stream)
 P0117 Src Low For Engine Coolant Temperature (Down Stream)
 P0116 Engine Coolant Temperature Plausibility Check
 P0704 Plausibilitycheck For Clutch
 U1400 Cansignal Error For Clutch
 P1038 Torque Limitation Caused By Turbo Charger Protection
 P1039 Torque Limitation Caused By Engine Protection
 P1040 Torque Limitation Caused By Injection System
 P1006 Working Limitation Information
 P1041 Torque Limitation Caused By Engine Brake
 P1042 Torque Limitation Caused By Particulate Filter
 P1043 Torque Limitation Caused By Performance Limiter
 P1044 Torque Limitation Caused By Smoke Limitation
 U0100 Timeout Error Of Can-Send-Frame Ack
 U0100 Timeout Error Of Can-Transmit-Frame Ambcon
 U0113 Dlcerror Of Can-Receive-Frame At1lgl

U0113 Timeout Error Of Can-Receive-Frame At1Igc1
 U0113 Dfc For At1Igc1Rx Frame Timeout Error
 U0113 Dfc For At1Igc2Rx Frame Timeout Error
 U0113 Dlcerror Of Can-Receive-Frame At10gc1
 U0113 Timeout Error Of Can-Receive-Frame At10gc1
 U0113 Dfc For At10gc1Rx Frame Timeout Error
 U0113 Dfc For At10gc2Rx Frame Timeout Error
 U0107 Receive Time Out Error For Decl Frame
 Acknowledgement Message Error For Dm19Ds Can Message On Exceeding The Maximum
 U0113 Limit Of Ack Message Reception
 U0113 Bam To Packet Timeout For Dm19Ds Can Message
 U0113 Bam To Packet Timeout For Dm19Ds Can Message
 U0113 Packet To Packet Timeout For Dm19Ds Can Message
 Acknowledgement Message Error For Dm19Us Can Message On Exceeding The Maximum
 U0113 Limit Of Ack Message Reception
 U0113 Bam To Packet Timeout For Dm19Us Can Message
 U0113 Bam To Packet Timeout For Dm19Us Can Message
 U0113 Packet To Packet Timeout For Dm19Us Can Message
 U0113 Timeout For Bam To Packet
 U0113 Timeout For Bam To Packet
 P1400 Error Path Spn2 Matching Of Dm1Dcu Message
 P1401 Error Path Spn2 Matching Of Dm1Dcu Message
 P1402 Error Path Spn2 Matching Of Dm1Dcu Message
 P1403 Error Path Spn2 Matching Of Dm1Dcu Message
 P1404 Error Path Spn2 Matching Of Dm1Dcu Message
 P1405 Timeout For Dm1Dcu Can Message
 U0129 Dfc For Dlc Error Of Can-Receive-Frame Ebcl
 U0129 Timeout Error Of Can-Receive-Frame Ebcl
 U0100 Timeout Error Of Can-Transmit-Frame Eec1
 U0100 Timeout Error Of Can-Transmit-Frame Eec2
 U0100 Timeout Error Of Can-Transmit-Frame Eec3
 U0100 Timeout Error Of Can-Transmit-Frame Ef1_P1
 External Shut Off Request By Electronic Brake Controller 1 Message (Not A
 U1100 Failure But An External Shut Off Request)
 U0100 Timeout Error Of Can-Transmit-Frame Engtemp
 U0100 Timeout Error Of Can-Transmit-Frame Ercl
 U0103 Dfc For Dlc Error Of Can-Receive-Frame Etc1
 U0103 Timeout Error Of Can-Receive-Frame Etc1

U0291 Dfc For Dlc Error Of Can-Receive-Frame Etc2
 U0291 Timeout Error Of Can-Receive-Frame Etc2
 U0108 Timeout Error Of Can-Receive-Frame Etc7
 P1617 Timeout Error Of Can-Transmit-Frame Fandrv
 U0100 Timeout Error Of Can-Transmit-Frame Fleco
 U0100 Timeout Error Of Can-Transmit-Frame Incon
 U0100 Timeout Error Of Can-Transmit-Frame Flc
 U0109 Timeout Error Of Can-Receive-Frame Mfd1
 Sae J1939 Error Of Aftertreatment 1 Outlet Gas Nox Sensor New Part Deviation
 U0113 Nox Gain
 Dfc Sae J1939 Error Of Aftertreatment 1 Inlet Gas Nox Sensor New Part
 U0113 Deviation Nox Gain
 Sae J1939 Error Of Aftertreatment 1 Outlet Gas Nox Sensor New Part Deviation
 U0113 Nox Offset Message.
 Dfc Sae J1939 Error Of Aftertreatment 1 Inlet Gas Nox Sensor New Part
 U0113 Deviation Nox Offset Message.
 Sae J1939 Error For Outlet Gas Nox Sensor Correction Of Lambda Pressure
 U0113 Message
 U0113 Sae J1939 Error For Inlet Gas Nox Sensor Correction Of Lambda Pressure Message
 U0113 Sae J1939 Error For Outlet Gas Nox Sensor Correction Of Nox Pressure Message
 U0113 Sae J1939 Error For Inlet Gas Nox Sensor Correction Of Nox Pressure Message
 U0113 Sae J1939 Error For Aftertreatment 1 Outlet Nox Sensor Heater Ratio Message
 U0113 Sae J1939 Error For Aftertreatment 1 Inlet Nox Sensor Heater Ratio Message
 U0113 Sae J1939 Error For Outlet Gas Nox Sensor Correction Of Nh3 Message
 U0113 Sae J1939 Error For Inlet Gas Nox Sensor Correction Of Nh3 Message
 U0113 Sae J1939 Error For Outlet Gas Nox Sensor Correction Of No2 Message
 U0113 Sae J1939 Error For Inlet Gas Nox Sensor Correction Of No2 Message
 U0113 Sae J1939 Error For Nox Concentration Quantity Message
 U0113 Sae J1939 Error For Nox Concentration Upstream Message
 U0113 Dfc For Time Out Error For Dm19 Downstream Bam Message
 U0113 Dfc For Time Out Error For Dm19 Upstream Bam Message
 U0113 Sae J1939 Error For The Actual Oxidation Factor Downstream Message
 U0113 Sae J1939 Error For Actual Oxidation Factor Message
 U0100 Timeout Error Of Engine Retarder Configuration Bam Message
 U0100 Timeout Error Of Engine Retarder Configuration Packet Frame
 U0100 Dfc For Dlc Error Of Can-Receive-Frame Rxccvs
 U0104 Timeout Error Of Can-Receive-Frame Rxccvs
 U0113 Dfc Sae J1939 Error For Sensor Status Byte Message (Nox Signal)

U0113 Sae J1939 For Sensor Status Byte Downstream Sensor (Nox Signal)
 U0113 Dfc Sae J1939 Error Sensor Status Byte Message (O2 Signal)
 U0113 Sae J1939 Error For Sensor Status Byte Downstream (O2 Signal)
 U0113 Sae J1939 Error For Sensor Status Byte Message (Power Signal)
 U0113 Sae J1939 Error For Sensor Status Byte Downstream Message (Power Signal)
 U0113 Sae J1939 Sensor For Status Byte Downstream Message (Temperature Signal)
 U0113 Dfc Sae J1939 Error For Sensor Status Byte Message (Temperature Signal)
 U0100 Timeout Error Of Can-Transmit-Frame Shutdwn
 U0107 When The T50 Status Value Received Over Can Is 3
 U0100 Dfc For Dlc Error Of Can-Receive-Frame Tcol
 U0100 Timeout Error Of Can-Receive-Frame Tcol
 U1103 Timeout Error Ofcan-Receive-Frame Til
 U0101 Dfc For Dlc Error Of Can-Receive-Frame Timedate
 U1101 Timeout Error Of Can-Receive-Frame Timedate
 U0121 Active Dfc Timeout Of Tsc1Ae Message
 U0121 Passive Dfc Timeout Of Tsc1Ae Message
 U0121 Dfc (Diagnostic Fault Check) For Active Timeout Of Tsc1Ar
 U0121 Dfc (Diagnostic Fault Check) For Passive Timeout Of Tsc1Ar
 U0121 Active Dfc Timeout Of Tsc1De Message
 U0121 Passive Dfc Timeout Of Tsc1De Message
 U0121 Dfc (Diagnostic Fault Check) For Active Timeout Of Tsc1Dr
 U0121 Dfc (Diagnostic Fault Check) For Passive Timeout Of Tsc1Dr
 U0121 Active Dfc Timeout Of Tsc1Pe Message
 U0121 Passive Dfc Timeout Of Tsc1Pe Message
 U0121 Active Time Out For Tsc1Te
 U0121 Passive Time Out For Tsc1Te
 U0121 Dfc (Diagnostic Fault Check) For Active Timeout Of Tsc1Tr
 U0121 Dfc (Diagnostic Fault Check) For Passive Timeout Of Tsc1Tr
 U0121 Active Time Out For Tsc1Ve
 U0121 Passive Time Out For Tsc1Ve
 U0121 Dfc (Diagnostic Fault Check) For Active Timeout Of Tsc1Vr
 U0121 Dfc (Diagnostic Fault Check) For Passive Timeout Of Tsc1Vr
 U0108 This Dfc Is Set When Com_Sttraengcrkena Is 0
 U0121 Dfc For Dlc Error Of Can-Receive-Frame Tsc1Ae
 U0121 Timeout Error Of Can-Receive-Frame Tsc1Ae
 U0121 Dfc For Dlc (Data Length Check) Error Of Can-Receive-Frame Tsc1Ar
 U0121 Dfc For Timeout Of Can-Receive-Frame Tsc1Ar
 U0121 Dfc For Dlc Error Of Can-Receive-Frame Tsc1De

U0121 Timeout Error Of Can-Receive-Frame Tsc1De
 U0121 Dfc For Dlc (Data Length Check) Error Of Can-Receive-Frame Tsc1Dr
 U0121 Dfc For Timeout Of Can-Receive-Frame Tsc1Dr
 U0121 Dfc For Dlc Error Of Can-Receive-Frame Tsc1Pe
 U0121 Timeout Error Of Can-Receive-Frame Tsc1Pe
 U0121 Dfc For Dlc Error Of Can-Receive-Frame Tsc1Te
 U0121 Timeout Error Of Can-Receive-Frame Tsc1Te
 U0121 Dfc For Dlc (Data Length Check) Error Of Can-Receive-Frame Tsc1Tr
 U0121 Dfc For Timeout Of Can-Receive-Frame Tsc1Tr
 U0121 Dfc For Dlc Error Of Can-Receive-Frame Tsc1Ve
 U0121 Timeout Error Of Can-Receive-Frame Tsc1Ve
 U0121 Dfc For Dlc (Data Length Check) Error Of Can-Receive-Frame Tsc1Vr
 U0121 Dfc For Timeout Of Can-Receive-Frame Tsc1Vr
 U0104 Timeout Error Of Can-Transmitframe
 U1105 Timeout Error Of Can-Transmit-Frame Txpgnrqlb.
 U0100 Timeout Error Of Can-Transmit-Frame Txpgnrq.
 U0100 Timeout Error Of Can-Transmit-Frame Uaa1
 U0100 Timeout Error Of Can-Transmit-Frame Uaa2
 U0100 Timeout Error Of Can-Transmit-Frame Uaa3
 U0100 Timeout Error Of Can-Transmit-Frame Uaa4
 U0100 Timeout Error Of Can-Transmit-Frame Uaa5
 U0100 Timeout Error Of Can-Transmit-Frame Uaa6
 U0100 Timeout Error Of Can-Transmit-Frame Uaa7
 U0100 Timeout Error Of Can-Transmit-Frame Uaa8
 U0100 Timeout Error Of Can-Transmit-Frame Vd
 U0100 Timeout Error Of Can-Transmit-Frame Vepl
 U1106 Timeout Error Of Can-Transmit-Frame Wfi
 P1007 Performance Limiter Isactive
 Fault Path Which Indicates The Invalid Combination Of Cruise Control Keys
 P0575 Pressed
 P0607 Reported Spi And Com-Errors Of A Cy146
 P0607 Spi/Com-Errors Of The Cy320
 P0563 Powerstage Diagnosis Could Be Disabled Due To High Battery Voltage
 P0562 Powerstage Diagnosis Could Be Disabled Due To Low Battery Voltage
 P1500 Diagnostic Fault Check For Plausibility Of Engine Brake
 The Error Is Set, If The Can Interface For Engine Compartment Stop Button
 Com_Stengcbtstop= 0B11 As Long As The Applicable Time
 P2536 Ddrc_Durdeb.Ecbtn_Tistopcansigerrrdebdef_C

P2536 Fault Path For Signal Checkof Engine Compartmentstop Button
The Error Is Set, If The Can Interface For Engine Compartment Start Button
Com_Stengcbttnstrt= 0B11 As Long As The Applicable Time

P2536 Ddrc_Durdeb.Ecbtn_Tistrtcansigerrdebdef_C

P2536 Fault Path For Signal Check Of Engine Compartment Start Button

P0475 Open Load Error For Ecrvlv

P0475 Over Temperature Error For Ecrvlv

P0478 Short Circuit To Battery Error For Ecrvlv

P0477 Short Circuit To Ground Error For Ecrvlv

P062F Eep Readerror Based Onthe Errorfor More Blocks

P062F Eep Read Error Based On The Error For More Blocks

P062F Eep Write Error Based On The Error For One Block

P0403 Current Limited Of Egr Valve
Persistent Governor Deviation Due To Frozen Actuator (Egr Valve) At Cold

P0404 Start

P0401 Egr Valve Permanent Positive Governor Deviation

P0402 Egr Valvepermanent Negative Governor Deviation

P0401 Jammed Egr Valve In Closed State

P0402 Jammed Egrvalve In Open State

P0403 No Load Error For Egrvlv

P0403 Over Temperature Error For Egr Valve Powerstage

P0403 Short Circuit To Battery Error Of Egr Valve

P0403 Short Circuit To Ground Error Of Egr Valve

P0409 Loose Connection Or Sporadic Temporary Errors Of Egr Valve

P1008 Injection Cut Off Demand (Ico) For Shut Off Coordinator

P0219 Overspeed Detectionin Component Engine Protection

P1009 Indicates If Atmfw Resonance Shutoff Condition Is Active

P100A No Loaderror Onthe Engine Speed Output

P100B Over Temperature Erroronthe Engine Speed Output

P100C Shortcircuit Tobattery Erroron Theengine Speed Output

P100D Shortcircuit Toground Erroron The Engine Speed Output

U1401 Can Message Of Environment Pressure

P2229 Srchigh For Environment Pressure

P2228 Barometric Pressure Sensor Voltage Signal Below Lower Limit

P0071 Dfc For Environment Temperature Plausibility Check Function

P0073 Src High For Environment Temperature

P0072 Src Low For Environment Temperature

P0341 Dfc For Camshaft Signal Diagnose - Disturbed Signal

P0340 Dfc For Camshaft Signal Diagnose - No Signal
P0340 Dfc For Camshaftoffset Angle Exceeded
P0336 Dfc For Crankshaftsignal Diagnose -Disturbed Signal
P0335 Dfc For Crankshaft Signal Diagnose - No Signal
P0475 No Load Error On Low Pressure Exhaust Flap
P0475 Over Temperature Error On Low Pressure Exhaust Flap
P0478 Short Circuit To Battery Error On Low Pressure Exhaust Flap
P0477 Short Circuit To Ground Error On Low Pressure Exhaust Flap
P0476 Npl Error Of Low Pressure Exhaust Flap
P0475 Status Line Signal Error Of Low Pressure Exhaust Flap
P0480 No Loaderror For Diofan1 Powerstage
P0480 No Loaderror For Diofan2 Powerstage
P0480 Over Temperature Error For Dio Fan1 Powerstage
P0480 Over Temperatureerrorfor Dio Fan2 Powerstage
P0692 Short Circuit To Battery Error For Dio Fan
P0692 Shortcircuit Tobattery Errorfor Dio Fan
P0691 Short Circuit To Ground Error Of Dio Fan1 Powerstage
P0691 Shortcircuit Toground Errorof Diofan1 Powerstage
P0481 No Load Error For Pwm Fan Powerstage
P0481 Over Temperature Error For Pwm Fan Powerstage
P0694 Short Circuit To Battery Error For Pwm Fan
P0693 Short Circuit To Ground Error Of Pwm Fan Powerstage
P0480 Dfc For Fan Speed Signal Long Period
P0495 Fan Speed Signal Range Check High Fault Path
P0494 Fan Speed Signal Range Check Low Fault Path
Fbc (Fuel Quantity Balancing Control) Correction Quantities At Limitation
P0611 For Injector 1
Fbc (Fuel Quantity Balancing Control) Correction Quantities At Limitation
P0611 For Injector 2
Fbc (Fuel Quantity Balancing Control) Correction Quantities At Limitation
P0611 For Injector 3
Fbc (Fuel Quantity Balancing Control) Correction Quantities At Limitation
P0611 For Injector 4
Fbc (Fuel Quantity Balancing Control) Correction Quantities At Limitation
P0611 For Injector 5
Fbc (Fuel Quantity Balancing Control) Correction Quantities At Limitation
P0611 For Injector 6
P1046 Src High For Fuel Filter Pressure Sensor

P1047 Src Low For Fuel Filter Pressure Sensor
P1032 No Load Error In Powerstage Of Fuel Filter Heating
P1033 Over Temperature Error In Powerstage Of Fuel Filter Heating
P1034 Short Circuit To Battery Error In Powerstage Of Fuel Filter Heating
P1035 Shortcircuit Toground Errorin Powerstage Of Fuelfilter Heating
P2267 Src High For Water Level Sensor
P2266 Src Low For Water Level Sensor
P2269 Water In Fuel Detection Switch Error
P1048 Dfc For Fuel Filter Clogged
P1049 Dfc For Fuel Filter Clogged Plausibility Check Function
Fuel Tank Below Critical Level Or Danger Of An Air Contaminated Hydraulic
P0460 System
P0183 Src High For Fuel Temperature Sensor
P0182 Src Low For Fuel Temperature Sensor
P0181 Dfc For Fueltemperature Plausibilitycheck Function
U1402 Check For Errorfor Caninput Of Gearbox
P0381 No Loaderror For Glowlamp Powerstage
P0381 Over Temperatureerrorfor Glow Lamp Powerstage
P0381 Short Circuit To Battery Error For Glow Lamp Powerstage
P0381 Short Circuit To Ground Error Of Glow Lamp Powerstage
P2213 Fault Detection Of Heater Readiness Sensor1
P2200 Fault Detection Of Heater Readiness Sensor2
P2213 Dfc To Monitor Nox Signal Validity Of Sensor 1
P2200 Dfc To Monitor Nox Signal Validity Of Sensor 2
P2214 Dfc Monitoring Nox Signal Dynamics Sensor 1
P2216 Dfc For Nox Offset Max Error Detection
P2215 Dfc For Nox Offset Min Error Detection
P2216 Signal Range Max Check Nox Physical Value Sensor 1
P2201 Signal Range Max Check Nox Physical Value Sensor 2
P2215 Signal Range Min Check Nox Physical Value Sensor 1
P2201 Signal Range Min Check Nox Physical Value Sensor 2
P2213 Monitoring Open Circuit Nox Sensor 1
P2200 Monitoring Open Circuit Nox Sensor 2
P2213 Monitoring Short Circuit Nox Value Sensor 1
P2200 Monitoring Short Circuit Nox Value Sensor 2
Self Diagnosis Error Detection Based On The Correction Average Value In Nox
P2200 Sensor 2
P2213 Dfc Of Signal Readiness Of Sensor 1

P2200 Dfc Of Signal Readiness Of Sensor 2

P2216 Signal Range Max Check Binary Lambda Value Sensor 1

P2200 Signal Range Max Check Binary Lambda Value Sensor 2

P2215 Signal Range Min Check Binary Lambda Value Sensor 1

P2200 Signal Range Min Check Binary Lambda Value Sensor 2

P2215 Signal Range Max Check Linear Lambda Value Sensor 1

P2200 Signal Range Max Check Linear Lambda Value Sensor 2

P2216 Signal Range Min Check Linear Lambda Value Sensor 1

P2200 Signal Range Min Check Linear Lambda Value Sensor 2

P2213 Wire Monitoring Of The First Nox Sensor 1

P2200 Wire Monitoring Of The First Nox Sensor 2

P0110 Dfc For Open Load On Power Stage For Intake Air Heater

P0110 Dfc For Over Temperature On Power Stage For Intake Air Heater

P0113 Dfc For Short Circuit To Battery On Power Stage For Intake Air Heater

P0112 Dfc For Short Circuit To Ground On Power Stage For Intake Air Heater

P100E Number Of Injections Is Limited By Charger Balance Of Booster Capacity

P100F Number Of Injections Is Limited By Quantity Balance Of High Pressure Pump

P1010 Numberof Injections Is Limitedbysystem

P1011 Number Of Injections Is Limited By Runtime

P0A0F Check Of Engine Starting Problems

P0087 Check Of Minimum Rail Pressure

P062B Checkof Missinginjector Adjustmentvalue Programming Of Logicalinjector 1

P062B Checkof Missinginjector Adjustmentvalue Programming Of Logicalinjector 2

Check Of Missing Injector Adjustment Value Programming Of Logical Injector

P062B 3

Check Of Missing Injector Adjustment Value Programming Of Logical Injector

P062B 4

Check Of Missing Injector Adjustment Value Programming Of Logical Injector

P062B 5

Check Of Missing Injector Adjustment Value Programming Of Logical Injector

P062B 6

P062D Short Circuit Of Injection Bank1

P062E Short Circuit Of Injection Bank2

P062B Cy33X Is Defect

P0201 Open Load Of Logical Injector 1

P0205 Open Load Oflogical Injector 2

P0203 Open Load Of Logical Injector 3

P0206 Open Load Oflogical Injector 4

P0202 Open Load Of Logical Injector 5
P0204 Open Load Of Logical Injector 6
P0263 Special Pattern For Special Cases Of Logical Injector 1
P0275 Special Pattern For Special Cases Of Logical Injector 2
P0269 Special Pattern For Special Cases Of Logical Injector 3
P0278 Special Pattern For Special Cases Of Logical Injector 4
P0266 Special Pattern For Special Cases Of Logical Injector 5
P0272 Special Pattern For Special Cases Of Logical Injector 6
P0262 General Short Circuit Logical Injector 1
P0274 General Short Circuit Logical Injector 2
P0268 General Short Circuit Logical Injector 3
P0277 General Short Circuit Logical Injector 4
P0265 General Short Circuit Logical Injector 5
P0271 General Short Circuit Logical Injector 6
P0261 Short Circuit Low Side To High Side Logical Injector 1
P0273 Short Circuit Low Side To High Side Logical Injector 2
P0267 Short Circuit Low Side To High Side Logical Injector 3
P0276 Short Circuit Low Side To High Side Logical Injector 4
P0264 Short Circuit Low Side To High Side Logical Injector 5
P0270 Short Circuit Low Side To High Side Logical Injector 6
P062D Time Out Of Scg Measurement Of Injection Bank 1
P062E Time Out Of Scg Measurement Of Injection Bank 2
P1581 Short Circuit To Ground Monitoring Test In Bank 1
P1582 Short Circuit To Ground Monitoring Test In Bank 2
P251C Pto Switch Max Error
P0251 Intermittent Contact between Ecu And Meun
P0251 Open Load Of metering Unit output
P0252 Over Temperature Of device Driver of metering Unit
P0254 Dfc Of A Short Circuit To Battery In The High Side Of The Metering Unit
P0253 Dfc Of A Short Circuit To Ground In The High Side Of The Metering Unit
P0254 Dfc Of A Short Circuit To Battery In The Low Side Of The Metering Unit
P0253 Dfc Of A Short Circuit To Ground In The Low Side Of The Metering Unit
P0254 Signal Range Check High Error Of Metering Unit Ad-Channel
P0253 Signal Range Check Low Error of metering Unit Ad-Channel
P0650 No Load error For Mil Lamp Powerstage
P0650 Over Temperature error for Mil Lamp Powerstage
P0650 Short circuit To battery Error for Mil Lamp Powerstage
P0650 Short Circuit To Ground Error Of Mil Lamp Powerstage

P251B Pto Switch Min Error

P060B Ecu Internal Diagnositic Error (Moc)

P060B Ecu Internal Diagnositic Error (Moc)

P060B Ecu Internal Diagnositic Error (Moc)

P060C Ecu Internal Diagnositic Error (Moc)

P060C Ecu Internal Diagnositic Error (Moc)

P060C Ecu Internal Diagnositic Error (Moc)

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P060C Ecu Internal Diagnositic Error (Moc)

P060C Ecu Internal Diagnositic Error (Moc)

P1012 Ecuinternal Diagnositic Error (Mof)

P1013 Ecuinternal Diagnositic Error (Mof)

P1014 Ecuinternal Diagnositic Error (Mof)

P1015 Ecuinternal Diagnositic Error (Mof)

P1016 Ecuinternal Diagnositic Error (Mof)

P1017 Ecuinternal Diagnositic Error (Mof)

P1018 Ecuinternal Diagnositic Error (Mof)

P1019 Ecuinternal Diagnositic Error (Mof)

P101A Ecuinternal Diagnositic Error (Mof)

P101A Ecuinternal Diagnositic Error (Mof)

P101B Ecuinternal Diagnositic Error (Mof)

P101C Ecuinternal Diagnositic Error (Mof)

P1045 Ecuinternal Diagnositic Error (Mof)

P101D Ecuinternal Diagnositic Error (Mof)

P101E Ecu Internal Diagnositic Error (Mon)

P101F Ecu Internal Diagnositic Error (Mon)

P1020 Ecu Internal Diagnositic Error (Mon)

P1600 Ecu Internal Diagnositic Error (Mon)

P1601 Ecu Internal Diagnositic Error (Mon)

P068A Main Relay Disconnected Too Early

P068B Main Relay Stuck

P2201 Nox Offset Max Error Detection Of Downstream Nox Sensor
P2201 Nox Offset Min Error Detection Of Downstream Nox Sensor
P253E Pto Switchnpl Error
P1021 Potential Long Term Error
P1022 Potential Long Term Error
P1023 Potential Long Term Error
P1024 Potential Long Term Error
P1025 Potential Long Term Error
P1026 Potential Long Term Error
P1027 Potential Long Term Error
P1028 Potential Long Term Error
P1029 Potential Long Term Error
P102A Potential Long Term Error
P102B Potential Long Term Error
P102C Potential Long Term Error
P102D Potential Long Term Error
P102E Potential Long Term Error
P102F Potential Long Term Error
P1030 Potential Long Term Error
P060C Diagnostic Fault Check To Report
P060C Diagnostic Fault Check To Report
P060C Diagnostic Fault Check To Report
P060C Diagnostic Fault Check To Report
P250D Maximum Signal Error Of Oil Level Sensor
P250C Minimum Signal Error Of Oil Level Sensor
P250B Plausibility Check Of Oil Level Sensor
P160B Dfc For Open Load Error Of Oil Pressure Lamp
P160C Dfc For Over Temperature Error Of Oil Pressure Lamp
P160D Dfc For Short Circuit To Battery Error Of Oil Pressure Lamp
P160E Dfc For Short Circuit To Ground Error Of Oil Pressure Lamp
P0524 Dfc For Minimum Oil Pressure From Digital Sensor
P0521 Dfc For Plausibility Test In Case Of Digital Sensor Of Oil Pressure Sensor
P0523 Maximum Oil Pressure Error In Plausibility Check
P0524 Minimum Oil Pressure Error In Plausibility Check
P0520 Signal Error On Can For Oil Pressure Sensor
P0523 Src Low For Oil Pressure Sensor
P0522 Src Low For Oil Pressure Sensor
P0196 Oil Temperature Too High Plausibility Error

U1403 Signal Error On Can For Oil Temperature
P0198 Srchigh For Oil Temperature
P0197 Src Low For Oil Temperature
P0196 Dfc For Oil Temperature Plausibility Check
P2263 Pcr Positive Governor Deviation Above Limit
P2263 Pcrnegative Governordeviation Below Limit
Not Plausible Fault: Phymod_Trq2Qbas_Map Contains Non Strictly Monotonus Q
P1031 Curves
P006D Plausibility Check For Air Pressure At The Upstream Of Intake Valve Sensor
P006D Plausibility Check For Air Pressure At The Upstream Of Intake Valve Sensor
P0238 Srchigh For Chargerdair Cooler Pressure (Down Stream)
P0237 Srclow For Chargerdair Cooler Pressure (Down Stream)
P0089 Pressure Relief Valve Reached Maximun Allowed Opening Count
P0089 Pressure Relief Valve Is Forced To Open; Perform Pressure Increase
P0089 Pressure Relief Valve Is Forced To Open; Perform Pressure Shock
P0089 Pressure Relief Valve Is Open
P1036 Quantity Balance Check If A Successfull Prv Opening Is Ensured
P1037 Averaged Rail Pressure Is Outside The Expected Tolerance Range
P0089 Pressure Relief Valve Reached Maximun Allowed Open Time
P060C Reported Msc-Errors Of A R2S2
P0251 Maximumpositive Deviationof Railpressure Eexceeded
Dfc For High Pressure Pump Delivery Quantity Exceeds The Plausibility Limit
P0251 Of The Volume Flow Balance
Maximum Negative Rail Pressure Deviation With Metering Unit On Lower Limit
P0251 Is Exceeded
P0251 Dfc For Negative Governor Deviation At Zero Delivery (Second Stage)
P0087 Minimum Rail Pressureexceeded
P0088 Maximumrail Pressure Exceeded
P0088 Dfc For Maximum Rail Pressure (Second Stage)
P1050 Error Detection By Metering Unit Set Value In Overrun
P0251 Plausibility Check Of The Volume Flow Of The Metering Unit At Low Idle
P0194 Railpressure Raw Valueis Intermittent
P0191 Railpressure Raw Valueis Above Maximum Offset
P0191 Railpressure Raw Valueis Below Minimum Offset
P0088 Monitoring For Maximum Rail Pressure In Limp Home Mode With Prv
P0088 Monitoring For Minimum Injection Quantity During Limp Home Mode With Prv
P0088 Monitoring For High Fuel Temperature During Limp Home Mode With Prv
P0193 Rail Pressure Sensor Voltage Above Upper Limit

P0192 Railpressure Sensorvoltage Below Lower Limit
Dfc For The Adjustment Of The Dosing Quantity Gets Incorrect After A Refill

P203B Of Reducing Agent

P3051 Scr System Longterm Adaption Factor Exceeds Threshold

P3052 Scr System Longterm Adaption Factor Below Threshold

P0420 Scr System Efficiency Error

P0420 Scr System Efficiency Exceeds 5.0G/Kwh Error

P0420 Scrsystem Efficiency Exceeds 7.0G/Kwh Error

P2214 Dfc For Peak Plausibility Check For Nox Sensor Downstream Of Scr Catalyst

P2214 Dfc For Stuck In Range Error Check For Nox Sensor Downstream Of Scr Catatlyst

P2201 Dfc For Plausibility Error Max For Nox Sensor Upstream Of Scr Catatlyst

P2201 Dfc For Plausibility Error Min For Nox Sensor Upstream Of Scr Catalyst
Monitoring Of The Time Until The Dosing Release Is Given For Scr System (It's

P3042 Used Only For Carb Obd)

P3065 Dfc For Monitoring Of The Scr Fill Level Governor Hd

P3050 Generalbackflow Line Plausability Errorof Dnox System

P3053 General Pressure Check Error Of Dnox System

P3054 Pressure Stabilisation Error Of Dnox System

P3039 Monitoring Ofmetering Control Malfuntion Max Errorofdnox System

P3056 Monitoring Ofmetering Control Malfuntion Min Errorofdnox System

P3039 Monitoring Of Over Pressure Of Dnox System

P3040 Monitoring Of Pressure Build Up Malfuntion Max Of Dnox System

P2043 Error Urea Tanktemperature Isoverheated

P0426 Error Scrcatalyst Upstream Temperature Sensor Plausibility Maxthreshold

P0426 Error Scr Catalyst Upstream Temperature Sensor Plausibility Min Threshold

P0426 Error Scr Catalyst Upstream Temperature Sensor Static Plausibility

P2047 Dosing Valve Is Blocked
Diagnostic Fault Check For Functional Response Of Urea Dosing Valve At Low

P2047 Voltage

P3066 Urea Tanksensor Indicates Too Highfill Level

P3067 Urea Tank Sensor Indicates Too Low Fill Level

P3014 Defective Pressure Reduction

P3007 Dfc Is Set In Case The Measurement Value Above The Upper Tolerable Limit

P3007 Dfc Is Set In Case The Measurement Value Below The Lower Tolerable Limit

P3057 Error Supply Module Heater Plausibility

P3058 Error Urea Supply Module Heater Temperature Sensor Dynamic Plausibility

P3059 Error Ureasupply Moduleheater Temperature Sensor Cold Start Plausibility

P3060 Error Urea Supply Module Temperature Sensor Dynamic Plausibility

P3061 Error Ureasupply Modulettemperature Sensor Coldstart Plausibility
P203B Stuck In Range Check Of Urea Tank Temperature Sensor
U1404 Pto Switch Signal Error (Com_Stptosw=0X0E When Ptoswt_Swtsig_C = 1)
P204E Diagnostic Fault Check For Signal Errors From Can
P0123 Signal Range Check High For App1
P0223 Signal Range Check High For App2
P1501 Signal Range Check High For Rmtapp1
P1502 Signal Range Check High For Rmtapp2
P0122 Signal Range Check Low For App1
P0222 Signal Range Check Low For App2
P1503 Signal Range Check Low For Rmtapp1
P1504 Signal Range Check Low For Rmtapp2
P204D Diagnostic Fault Check When The Signal Is Above The Maximum Limit
P203D Dfc For Src High Error Of The Urea Tank Level Sesnor
P204C Diagnostic Fault Check When The Signal Is Below The Minimum Limit
P203C Dfc For Src Low Error Of The Urea Tank Level Sesnor
P0643 Error Sensorsupplies 1
P0653 Error Sensorsupplies 2
P0699 Error Sensor Supplies 3
P1602 Monitoring Of 12V Sensor Supply 1 Src_High Error
P1603 Monitoring Of 12V Sensor Supply 1 Src_Low Error
P1602 Monitoring Of 12V Sensor Supply Src_High Error
P1603 Monitoring Of 12V Sensor Supply Src_Low Error
P060C Timer Error Of Stop Counter
P160F Dfc For Open Load Error On The Output Powerstage For Stop Lamp
P1610 Dfc For Over Temperature Error On The Output Powerstage For Stop Lamp
P1611 Dfc For Short Circuit To Battery Error On The Output Powerstage For Stop Lamp
P1612 Dfc For Short Circuit To Ground Error On The Output Powerstage For Stop Lamp
P0615 No Loaderror For Starter
P0615 Over Temperature Error On Ecu Powerstage For Starter
P0617 Short Circuit To Battery Error For Starter
P0616 Short Circuit To Ground Error Of Starter Output
P1604 No Load Error For Svs Lamp Powerstage
P1605 Over Temperature Error For Svs Lamp Powerstage
P1606 Shortcircuit Tobattery Errorofsvs Lamp Powerstage
P1607 Short Circuit To Ground Error Of Svs Lampe Powerstage
P1608 Softwareresets 0
P1609 Softwareresets 1

P160A Softwareresets 2

P2135 Plausibility Check Between Appl And App2
Diagnostic Fault Check Of Synchronism For Double Potentiometer And Low Idle

P2135 Switch (Lis)
Diagnostic Fault Check Of Synchronism Of Both Remote Acceleration Pedal

P1505 Signals

P2530 Defective T50 Switch

P0113 Srchigh For Air Temperaturesensor Of Hfm

P0112 Src Low For Air Temperature Sensor Of Hfm

P0113 Srchigh For Periodduration Ofair Temperaturesensor Of Hfm

P0112 Srclow For Periodduration Ofair Temperaturesensor Of Hfm

P0099 Signal Error For Charger Air Cooler Downstream Temperature

P0098 Src High For Charger Air Cooler Downstream Temperature

P0097 Src Low For Charger Air Cooler Downstream Temperature

P0096 Chargerd Air Cooler Temperature Down Stream Plausibility Check Error

P0669 Src High For Ecu Temperature Sensor

P0668 Src Low For Ecu Temperature Sensor

P2100 Current Limitedfor Throttlevalve

P2108 Dfc For Valve Drift At Closed Position Of Tva Valve

P2108 Dfc For Valve Drift Atopen Positionof Tva Valve

P2108 Dfc For Rangedrift Of Tva Valve

P2112 Throttle Valve Governordeviation In Cold Start

P2112 Permanent Governordeviationfor Throttle Valve

P2111 Permanent Governordeviationfor Throttle Valve

P2112 Jammed Valve Closed Of Throttle Valve

P2111 Jammed Valve Open Ofthrottle Valve

P2108 Dfc For Long Time Valve Drift At Closed Position Of Tva Valve

P2108 Dfc For Longtime Valve Drift At Open Position Oftva Valve

P2100 No Load Error For Powerstage On Cj945 For Throttle Valve

P2101 Over Temperature Error On Cj945 For Throttle Valve

P2101 Dfc For Throttlevalve Position Sensor Physical Srchigh

P2101 Dfc For Throttle Valve Position Sensor Physical Src Low

P2103 Short Circuit To Battery Error For Powerstage On Cj945 For Throttle Valve

P2102 Short Circuit To Ground Error For Powerstage On Cj945 For Throttle Valve

P2108 Dfc For Short Time Valve Drift Atclosed Position Oftva Valve

P2108 Dfc For Short Time Valve Drift Atopen Position Oftva Valve

P2622 Srchigh For Throttlevalve Position Sensor Value

P2621 Src Low For Throttle Valve Position Sensor Value

P2620 Fault Code For Temporaryerrors For Throttle Valve
Diagnostic Fault Check For Src High In Engine Inlet Valve Air Temperature

P0113 Upstream Sensor
Diagnostic Fault Check For Src Low In Engine Inlet Valve Air Temperature

P0112 Upstream Sensor

P0045 No Load Error For Turbo Charger Powerstage

P0049 Error Path For Monitoring Of Turbocharger Overspeed

P0045 Over Temperature Error For Turbo Charger Powerstage

P0048 Short Circuit To Battery Error Of Turbo Charger Powerstage

P0047 Booster Control Circuit Short To Ground

P0428 Srchigh For Urea Catalyst Downstream Temperature Sensor

P0427 Srclow For Urea Catalystdownstream Temperature Sensor

P042D Physical Range Check High For Turbine Upstream Temperature Sensor

P042C Physical Range Check Low For Turbine Upstream Temperature Sensor

U0113 Signal Error For Can Message Of Scr Catalyst Upstream Temperature Sensor

P042D Srchigh For Urea Catalystupstream Temperaturesensor

P042C Src Low For Urea Catalyst Upstream Temperature Sensor

P203F Low Status Ofureatank Level
Current At The End Of Injection Phase Exceeds Max Threshold Of Urea Dosing

P2049 Valve Actuator

P3009 Over Temperatureerroron Powerstageof Urea Dosingvalve Actuator
Dfc For Short Circuit To Battery Error On Lowside Switch Of Urea Dosing Valve

P2049 Actuator
Dfc For Short Circuit To Battery Or Open Load Error On Highside Swith Of Urea

P2049 Dosing Valve Actuator
Dfc For Short Circuit To Ground Or Open Load Error On Lowside Swith Of Urea

P2048 Dosing Valve Actuator

P2047 Dfc For Short Circuit Error On Highside Swith Of Urea Dosing Valve Actuator
Pressure Line Heater Error And The Tank Temperature Falls Below The

P3025 Defreezing Value Error

P3083 Dfc For Open Load To Ground Error Of Urea Heater Relay 2
Dfc For A Short Circuit To Ground Or Open Load Of Urea Heater Relay Circuit

P3084 2

P3074 Dfc For Open Load To Ground Error Of Urea Heater Relay 3
Dfc For A Short Circuit To Ground Or Open Load Of Urea Heater Relay Circuit

P3075 3

P3070 Dfc For Open Load To Ground Error Of Urea Heater Relay 4

P3071 Dfc For A Short Circuit To Ground Or Open Load Of Urea Heater Relay Circuit

4

- P3079 Dfc For Open Load To Ground Error Of Urea Heater Relay 5
Dfc For A Short Circuit To Ground Or Open Load Of Urea Heater Relay Circuit
- P3080 5
- P3077 Dfc For Short Circuit To Battery Diagnostics
- P3069 Dfc For Adc Plausibility Error Of B1 Heater Feedback
- P3021 Dfc For Open Load Error of urea Backflow Line Heater Actuator powerstage
Dfc For Over Temperature Error Of Urea Backflow Line Heater Actuator
- P3072 Powerstage
Dfc For Shortcircuit To Battery of Urea Backflow Line heater Actuator
- P3023 Powerstage
Dfc For Short Circuit To Ground Of Urea Backflow Line Heater Actuator
- P3022 Powerstage
- P3073 Dfc For Adc Plausibility Error Of P1 Heater Feedback
- P3024 Dfc For Open Load Error of urea Pressure Line Heater Actuator powerstage
- P3076 Dfc For Over Temperature error of Urea Pressure Line heater Actuator Powerstage
Dfc For Shortcircuit To Battery of Urea Pressure Line heater Actuator
- P3027 Powerstage
Dfc For Shortcircuit To Ground of Urea Pressure Line heater Actuator
- P3026 Powerstage
- P3043 Dfc For Open Load Error of external Urea Heater Relay
- P3044 Over Temperature Error On Powerstage For External Urea Heater Relay
- P3045 Dfc For Shortcircuit To Battery error of External Urea Heater Relay
- P3046 Dfc For Shortcircuit To Ground error of External Urea Heater Relay
- P3078 Dfc For Adc Plausibility Error Of S1 Heater Feedback
- P3028 Dfc For Open Load Error Of Urea Suction Line Heater Actuator Powerstage
- P3081 Dfc For Over Temperature error of Urea Suction Line heater Actuator Powerstage
Dfc For Short Circuit To Battery Of Urea Suction Line Heater Actuator
- P3032 Powerstage
Dfc For Short Circuit To Ground Of Urea Suction Line Heater Actuator
- P3031 Powerstage
- P3082 Dfc For Adc Plausibility Error Of S2 Heater Feedback
- P3033 Dfc For Open Load Error of urea Supply Module heater Actuator Powerstage
- P3085 Dfc For Over Temperature error of Urea Supply Module heater Actuator Powerstage
Dfc For Shortcircuit To Battery of Urea Supply Module heater Actuator
- P3037 Powerstage
Dfc For Short Circuit To Ground Of Urea Supply Module Heater Actuator
- P3036 Powerstage

P3016 Dfc For Open Load Error Of Urea Tank Heater Actuator Powerstage
P3018 Dfc For Over Temperatureerrorof Urea Tank Heater Actuator Powerstage
P3020 Dfc For Shortcircuit To Batteryof Urea Tank Heater Actuator Powerstage
P3019 Dfc For Shortcircuit To Groundof Urea Tank Heater Actuator Powerstage
P2043 Dfc For Pump Motor Communication Receive Fail
P3001 Urea Pump Motor Speed Deviation
P3086 Permanent Urea Pump Motor Speed Deviation
P3006 No Load Error On Powerstage For Urea Pump Motor
P3003 Over Temperatureerroron Powerstagefor Ureapump Motor
P3038 Dfc For Pumpmotor Internal Duty Cycle Above Maximum Range
P2062 Dfc For Pumpmotor Internal Duty Cycle Below Minimum Range
P3029 Dfc For Supply Heater Module Temperature Duty Cycle Above Maximum Range
P3029 Dfc For Supply Heater Module Temperature Duty Cycle Below Minimum Range
P2062 Dfc For Pumpmotor Speed Duty Cycle Above Maximum Range
P3002 Dfc For Pumpmotor Speed Duty Cycle Below Minimum Range
P3029 Dfc For Supply Module Temperature Duty Cycle Above Maximum Range
P3029 Dfc For Supply Module Temperature Duty Cycle Below Minimum Range
P3004 Shortcircuit Tobattery Erroron Powerstage For Ureapump Motor
P3005 Shortcircuit Toground Erroron Powerstage For Ureapump Motor
P3047 Ol Error Of The Pwm Output High Side Power Stage Of The Urea Back Flow Pump
Dfc For An Over Temperature Error At The Pwm Output High Side Power Stage
P3048 Of The Urea Back Flow Pump
P3049 Scb Error Of The Pwm Output High Side Power Stage Of The Urea Back Flow Pump
P3050 Scg Error Of The Pwm Output High Side Power Stage Of The Urea Back Flow Pump
P3010 Ol Error Of The Pwm Output Power Stage Of The Urea Back Flow Pump
Dfc For An Overt Emperature Error At The Pwm Output Power Stage Of The Urea
P3011 Back Flow Pump
P3013 Scb Error Of The Pwm Output Power Stage Of The Urea Back Flow Pump
P3012 Scg Error Of The Pwm Output Power Stage Of The Urea Back Flow Pump
P203D Error Of Urea Tank Level Sensor With Physical Range Check High
P203C Error Of Urea Tank Level Sensor With Physical Range Check Low
P205D Diagnostic Fault Check For Physical Signal Above Maximum Limit
P205C Diagnostic Fault Check For Physical Signal Below Minimum Limit
P205A Signal Error For Can Message Of Urea Temperature
P205D Srchigh For Urea Temperaturesensor
P205C Src Low For Urea Temperature Sensor
P205B Error Urea Tank Temperature Sensor Plausibility Max Error
P205B Error Urea Tank Temperature Sensor Plausibility Min Error

U1405 Signalerror For Vehicle Speed Over Can
P0279 Maximum Threshold Error For Vehicle Speed
P2162 Npl Error For Vehicle Speed Signal Over Tachomter Or Hardware Sensor
P0501 Npl Error For Vehicle Speed Signal Over Tachomter Or Hardware Sensor
Signal Level Low Error For Vehicle Speed Signal Over Tachomter Or Hardware
P0503 Sensor
Signal Level Low Error For Vehicle Speed Signal Over Tachomter Or Hardware
P0502 Sensor
P2158 Max Error For Vehicle Speed Signal Over Tachomter Sensor
P2160 Min Error For Vehicle Speed Signal Over Tachomter Sensor
P2161 Signal Error For Vehicle Speed Over Tachometer
P1613 No Load Error Of Warning Lamp
P1614 Over Temperature Error Of Warning Lamp
P1615 Short Circuit To Battery Error Of Warning Lamp
P1616 Short Circuit To Ground Error Of Warning Lamp

1.1.10.2.2 KAIWEISI SCR

U0100 Engine Communication Message Timeout Fault
P2200 Downstream Nox Sensor Power Supply Fault
P3130 Downstream Nox Sensor In The Air
P3100 Downstream Nox Sensor Internal Fault
P2206 Downstream Nox Sensor Heating Below Lower Limit (Short Circuit To Ground)
Downstream Nox Sensor Heating Above Upper Limit (Open Circuit/Short
P2207 Circuit To Ground)
P3065 Catalyst Upstream Temperature Sensor Below Lower Limit
Catalyst Upstream Temperature Sensor Below Lower Limit (Short Circuit To
P0427 Ground Fault)
P3064 Catalyst Upstream Temperature Sensor Above Upper Limit
Catalyst Upstream Temperature Sensor Above Upper Limit (Open Circuit/Short
P0428 Circuit To Power)
Catalyst Downstream Temperature Sensor Below Lower Limit (Short Circuit
P042C To Ground)
P3067 Catalyst Downstream Temperature Sensor Below Lower Limit
Catalyst Downstream Temperature Sensor Above Upper Limit (Open
P042D Circuit/Short Circuit To Power)
P3066 Catalyst Downstream Temperature Sensor Above Upper Limit

P205C Urea Tank Temperature Sensor Below Lower Limit (Short Circuit To Ground)
P3061 Urea Tank Temperature Sensor Below Lower Limit
Urea Tank Temperature Sensor Above Upper Limit (Open Circuit/Short Circuit
P205D To Power)
P3060 Urea Tank Temperature Sensor Above Upper Limit
P203C Urea irrigation temperature sensor lower limit (ground short circuit)
P3063 Urea irrigation temperature sensor lower limit range
Urea irrigation temperature sensor upper limit (open circuit / short
P203D circuit to power supply)
P3062 Urea irrigation temperature sensor upper limit range
P209F Urea Tank Heating Fault
P20C2 Urea Pipe Heating Fault
P203F Urea Level Low, Level Less Than 15%
P2BA7 Urea Level Low, Level Less Than 10%
P0420 Emissions Slightly Exceeded Standards (Exceeded 3.5G Or 5G/Kwh)
P3002 Emissions Seriously Exceeded Standards (Exceeded 7G/Kwh)
P2039 Pump Internal Pressure Sensor Below Lower Limit
P2040 Pump Internal Pressure Sensor Above Upper Limit
P2BA8 Pump Internal Fault
P208E Pipeline Or Nozzle Clogged Fault
P20CA Compressed Air Pipe Clogged Fault

1.1.11 YUNNEI Engine Series

1.1.11.1 YUNNEI D25 EURO IV Diesel Engine

P0100 Battery Voltage error of Hfm Sensor
P0101 Dfc For Maximum Difference Plausibility Of Afs Drift Adjustment
P0101 Dfc For Plausibility Of Afs Drift Adjustment
P0101 Air Flow Meter (Hfm) Idling Condition Offset Correction Above Upper Limit
Load Correction Factor Of The Drift Compensation Function Exceed The
P0101 Maximum Drift Limit
P0101 Sensitivity Drift High error for Hfmsensor
P0101 Sensitivity Drift Error low for Hfmsensor
P0103 Hardware Error detection for Hfm Sensor
P0103 Src High Error For Raw Value In Hfm Sensor

P0102 SrcLow Errorfor Rawvalue In Hfm Sensor

P0645 No Load Error On Power Stage For The Compressor

P0645 Over Temperature Error On Powerstage For The Compressor

P0645 No Load Error On Power Stage For The Reduce Torque Instruction Compressor

Over Temperature Error On Powerstage For The Reduce Torque Instruction

P0645 Compressor

Short Circuit To Battery Error On Power Stage For The Reduce Torque

P0647 Instruction Compressor

Shortcircuit Toground Erroron Power Stage For The Reducetorque Instruction

P0646 Compressor

P0647 Shortcircuit Tobattery Erroron Power Stage For The Compressor

P0646 Short Circuit To Ground Error On Power Stage For The Compressor

U0424 Air Compressorswitch Plausibilityerrorfor Caninput

U0466 Air Compressorswitch Signalerrorfor Caninput

P0101 Positive Airtcl Governor Deviation Abovelimit For Regeneration

P0101 Negative Airtcl Governor Deviation Belowlimit For Regeneration

P0402 Air Control System Governor Deviation Above Limit

P0401 Air Control System Governor Deviation Below Limit

P0100 Error Path For Too Longtime Spent In Transtion Modern Tonrm For Aircontrol

P2609 Dfc For Src High Error In Air Heater During Off

P2609 Dfc For Src Low Error In Air Heater During Off

P2609 Dfc For Src High Error In Air Heater During On

P2609 Dfc For Src Low Error In Air Heater During On

P2609 Dfc For Grid Heater Always Switched On

P1000 Error Of The First Fresh Air Temperature Sensor At Cold Start

P1001 Error Of The First Fresh Air Temperature Sensor At Cold Start

P1002 Error Of The First Fresh Air Temperature Sensor At Cold Start

P1003 Error Of The First Fresh Air Temperature Sensor At Cold Start

P1004 Error Of The First Fresh Air Temperature Sensor At Cold Start

Event Of An Error In Case Of More Than One Fresh Air Temperature Sensor

P1005 At Cold Start

P0659 Dfc For Short Circuit To Battery Of Actuator Relay With Index X=0

P2671 Dfc For Short Circuit To Battery Of Actuator Relay With Index X=1

P0658 Dfc For Short Circuit To Ground Of Actuator Relay With Index X=0

P2670 Dfc For Short Circuit To Ground Of Actuator Relay With Index X=1

P0563 Signal Range Check High Error For Battery Votage Sensor

P0562 Signal Range Check Low Error For Battery Votage Sensor

P0563 Src High For Battery Voltage Sensor

P0562 Src Low For Battery Voltage Sensor
 P0504 Dfc For Non Plausibility Of Brake Status
 P0504 Cruise Control Release Failure
 P0504 Plausibilitycheck For Brake
 P0504 Dfc For Non Plausibility Of Brake Status (In Single Brake System)
 P0571 Sig Error For Brake
 U0073 Can A Passive Fault
 U0073 Can B Passive Fault
 U0073 Error Passive Can C
 U0073 Can D Passive Fault
 U0073 Can A Communication Interrupted
 U0073 Can B Communication Interrupted
 U0073 Busoff Error Can C
 U0073 Can D Communication Interrupted
 P0116 Defect Fault Check For Coolant Temperature Absolute Plausibility Test
 P0116 Defect Fault Check For Coolant Temperature Dynamic Plausibility Test
 U0116 Can Signal Error Of Engine Coolant Temperature (Down Stream)
 P0118 Src High For Engine Coolant Temperature (Down Stream)
 P0117 Src Low For Engine Coolant Temperature (Down Stream)
 P0116 Engine Coolant Temperature Plausibility Check
 P0704 Plausibilitycheck For Clutch
 U1400 Cansignal Error For Clutch
 P1038 Torque Limitation Caused By Turbo Charger Protection
 P1039 Torque Limitation Caused By Engine Protection
 P1040 Torque Limitation Caused By Injection System
 P1006 Working Limitation Information
 P1041 Torque Limitation Caused By Engine Brake
 P1042 Torque Limitation Caused By Particulate Filter
 P1043 Torque Limitation Caused By Performance Limiter
 P1044 Torque Limitation Caused By Smoke Limitation
 U0100 Timeout Error Of Can-Send-Frame Ack
 U0100 Timeout Error Of Can-Transmit-Frame Ambcon
 U0113 Dlcerror Of Can-Receive-Frame At1Igl
 U0113 Timeout Error Ofcan-Receive-Frame At1Igl
 Upstream Nox Sensor Can Signal Correction Frame 1 Reception Timeout (I.E.
 U0113 Signal Missing)
 U0113 Dfc For At1Igc2Rx Frame Timeout Error
 U0113 Dlcerror Of Can-Receive-Frame At10gl

U0113 Timeout Error Ofcan-Receive-Frame At10g1
Downstream Nox Sensor Can Signal Correction Frame 1 Reception Timeout (I. E.
U0113 Signal Missing)
U0113 Dfc For At10gc2Rx Frame Timeout Error
Acknowledgement Message Error For Dm19Ds Can Message On Exceeding The
U0113 Maximum Limit Of Ack Message Reception
U0113 Bam To Packet Timeout For Dm19Ds Can Message
U0113 Bam To Packet Timeout For Dm19Ds Can Message
U0113 Packet To Packet Timeout For Dm19Ds Can Message
Acknowledgement Message Error For Dm19Us Can Message On Exceeding The
U0113 Maximum Limit Of Ack Message Reception
U0113 Bam To Packet Timeout For Dm19Us Can Message
U0113 Bam To Packet Timeout For Dm19Us Can Message
U0113 Packet To Packet Timeout For Dm19Us Can Message
U0113 Timeout For Bam To Packet
U0113 Timeout For Bam To Packet
Obd-Related Faults For Urea Injection Control Unit (Dcu) Activated The
P1400 Torque Limitation
P1401 Error Path Spn2 Matching Of Dm1Dcu Message
P1402 Error Path Spn2 Matching Of Dm1Dcu Message
P1403 Error Path Spn2 Matching Of Dm1Dcu Message
P1404 Error Path Spn2 Matching Of Dm1Dcu Message
P1405 Timeout For Dm1Dcu Can Message
U0129 Dfc For Dlc Error Of Can-Receive-Frame Ebcl
U0129 Timeout Error Of Can-Receive-Frame Ebcl
U0100 Timeout Error Of Can-Transmit-Frame Eec1
U0100 Timeout Error Of Can-Transmit-Frame Eec2
U0100 Timeout Error Of Can-Transmit-Frame Eec3
U0100 Timeout Error Of Can-Transmit-Frame Efl_P1
External Shut Off Request By Electronic Brake Controller 1 Message (Not
U1100 A Failure But An External Shut Off Request)
U0100 Timeout Error Of Can-Transmit-Frame Engtemp
U0100 Timeout Error Of Can-Transmit-Frame Erc1
U0103 Dfc For Dlc Error Of Can-Receive-Frame Etc1
U0103 Timeout Error Of Can-Receive-Frame Etc1
U0291 Dfc For Dlc Error Of Can-Receive-Frame Etc2
U0291 Timeout Error Of Can-Receive-Frame Etc2
U0100

U0100 Timeout Error Of Can-Transmit-Frame Incon
 U0100 Timeout Error Of Can-Transmit-Frame Flc
 Sae J1939 Error Of Aftertreatment 1 Outlet Gas Nox Sensor New Part Deviation
 U0113 Nox Gain
 Dfc Sae J1939 Error Of Aftertreatment 1 Inlet Gas Nox Sensor New Part
 U0113 Deviation Nox Gain
 Sae J1939 Error Of Aftertreatment 1 Outlet Gas Nox Sensor New Part Deviation
 U0113 Nox Offset Message.
 Dfc Sae J1939 Error Of Aftertreatment 1 Inlet Gas Nox Sensor New Part
 U0113 Deviation Nox Offset Message.
 Sae J1939 Error For Outlet Gas Nox Sensor Correction Of Lambda Pressure
 U0113 Message
 Sae J1939 Error For Inlet Gas Nox Sensor Correction Of Lambda Pressure
 U0113 Message
 U0113 Sae J1939 Error For Outlet Gas Nox Sensor Correction Of Nox Pressure Message
 U0113 Sae J1939 Error For Inlet Gas Nox Sensor Correction Of Nox Pressure Message
 U0113 Sae J1939 Error For Aftertreatment 1 Outlet Nox Sensor Heater Ratio Message
 U0113 Sae J1939 Error For Aftertreatment 1 Inlet Nox Sensor Heater Ratio Message
 U0113 Sae J1939 Error For Outlet Gas Nox Sensor Correction Of Nh3 Message
 U0113 Sae J1939 Error For Inlet Gas Nox Sensor Correction Of Nh3 Message
 U0113 Sae J1939 Error For Outlet Gas Nox Sensor Correction Of No2 Message
 U0113 Sae J1939 Error For Inlet Gas Nox Sensor Correction Of No2 Message
 U0113 Sae J1939 Error For Nox Concentration Quantity Message
 U0113 Sae J1939 Error For Nox Concentration Upstream Message
 U0113 Dfc For Time Out Error For Dm19 Downstream Bam Message
 U0113 Dfc For Time Out Error For Dm19 Upstream Bam Message
 U0113 Sae J1939 Error For The Actual Oxidation Factor Downstream Message
 U0113 02Nomcatds Bam Can Signal Reception Timeout (I.E. Signal Missing)
 U0100 Timeout Error Of Engine Retarder Configuration Bam Message
 U0100 Timeout Error Of Engine Retarder Configuration Packet Frame
 U0100 Dfc For Dlc Error Of Can-Receive-Frame Rxccvs
 U0104 Timeout Error Of Can-Receive-Frame Rxccvs
 U0113 Dfc Sae J1939 Error For Sensor Status Byte Message (Nox Signal)
 U0113 Sae J1939 For Sensor Status Byte Downstream Sensor (Nox Signal)
 U0113 Dfc Sae J1939 Error Sensor Status Byte Message (O2 Signal)
 U0113 Sae J1939 Error For Sensor Status Byte Downstream (O2 Signal)
 U0113 Sae J1939 Error For Sensor Status Byte Message (Power Signal)
 U0113 Sae J1939 Error For Sensor Status Byte Downstream Message (Power Signal)

U0113 Sae J1939 Sensor For Status Byte Downstream Message (Temperature Signal)
U0113 Dfc Sae J1939 Error For Sensor Status Byte Message (Temperature Signal)
U0100 Timeout Error Of Can-Transmit-Frame Shutdwn
U0100 Dfc For Dlc Error Of Can-Receive-Frame Tcol
U0100 Timeout Error Of Can-Receive-Frame Tcol
U1103 Timeout Error Ofcan-Receive-Frame Til
U0101 Dfc For Dlc Error Of Can-Receive-Frame Timedate
U1101 Timeout Error Of Can-Receive-Frame Timedate
U0121 Active Dfc Timeout Of Tsc1Ae Message
U0121 Passive Dfc Timeout Of Tsc1Ae Message
U0121 Dfc (Diagnostic Fault Check) For Active Timeout Of Tsc1Ar
U0121 Dfc (Diagnostic Fault Check) For Passive Timeout Of Tsc1Ar
U0121 Active Dfc Timeout Of Tsc1De Message
U0121 Passive Dfc Timeout Of Tsc1De Message
U0121 Dfc (Diagnostic Fault Check) For Active Timeout Of Tsc1Dr
U0121 Dfc (Diagnostic Fault Check) For Passive Timeout Of Tsc1Dr
U0121 Active Dfc Timeout Of Tsc1Pe Message
U0121 Passive Dfc Timeout Of Tsc1Pe Message
U0121 Active Time Out For Tsc1Te
U0121 Passive Time Out For Tsc1Te
U0121 Dfc (Diagnostic Fault Check) For Active Timeout Of Tsc1Tr
U0121 Dfc (Diagnostic Fault Check) For Passive Timeout Of Tsc1Tr
U0121 Active Time Out For Tsc1Ve
U0121 Passive Time Out For Tsc1Ve
U0121 Dfc (Diagnostic Fault Check) For Active Timeout Of Tsc1Vr
U0121 Dfc (Diagnostic Fault Check) For Passive Timeout Of Tsc1Vr
U0121 Dfc For Dlc Error Of Can-Receive-Frame Tsc1Ae
U0121 Timeout Error Of Can-Receive-Frame Tsc1Ae
U0121 Dfc For Dlc (Data Length Check) Error Of Can-Receive-Frame Tsc1Ar
U0121 Dfc For Timeout Of Can-Receive-Frame Tsc1Ar
U0121 Dfc For Dlc Error Of Can-Receive-Frame Tsc1De
U0121 Timeout Error Of Can-Receive-Frame Tsc1De
U0121 Dfc For Dlc (Data Length Check) Error Of Can-Receive-Frame Tsc1Dr
U0121 Dfc For Timeout Of Can-Receive-Frame Tsc1Dr
U0121 Dfc For Dlc Error Of Can-Receive-Frame Tsc1Pe
U0121 Timeout Error Of Can-Receive-Frame Tsc1Pe
U0121 Dfc For Dlc Error Of Can-Receive-Frame Tsc1Te
U0121 Timeout Error Of Can-Receive-Frame Tsc1Te

U0121 Dfc For Dlc (Data Length Check) Error Of Can-Receive-Frame Tsc1Tr
 U0121 Dfc For Timeout Of Can-Receive-Frame Tsc1Tr
 U0121 Dfc For Dlc Error Of Can-Receive-Frame Tsc1Ve
 U0121 Timeout Error Of Can-Receive-Frame Tsc1Ve
 U0121 Dfc For Dlc (Data Length Check) Error Of Can-Receive-Frame Tsc1Vr
 U0121 Dfc For Timeout Of Can-Receive-Frame Tsc1Vr
 U0104 Timeout Error Of Can-Transmitframe
 U1105 Timeout Error Of Can-Transmit-Frame Txpgnrqglb.
 U0100 Timeout Error Of Can-Transmit-Frame Txpgnrq.
 U0100 Timeout Error Of Can-Transmit-Frame Uaa1
 U0100 Timeout Error Of Can-Transmit-Frame Uaa2
 U0100 Timeout Error Of Can-Transmit-Frame Uaa3
 U0100 Timeout Error Of Can-Transmit-Frame Uaa4
 U0100 Timeout Error Of Can-Transmit-Frame Uaa5
 U0100 Timeout Error Of Can-Transmit-Frame Uaa6
 U0100 Timeout Error Of Can-Transmit-Frame Uaa7
 U0100 Timeout Error Of Can-Transmit-Frame Uaa8
 U0100 Timeout Error Of Can-Transmit-Frame Vd
 U0100 Timeout Error Of Can-Transmit-Frame Vep1
 U1106 Timeout Error Of Can-Transmit-Frame Wfi
 P1007 Performance Limiter Isactive
 Fault Path Which Indicates The Invalid Combination Of Cruise Control Keys
 P0575 Pressed
 P0607 Reported Spi And Com-Errors Of A Cy146
 P0607 Spi/Com-Errors Of The Cy320
 P0563 Powerstage Diagnosis Could Be Disabled Due To High Battery Voltage
 P0562 Powerstage Diagnosis Could Be Disabled Due To Low Battery Voltage
 P1500 Diagnostic Fault Check For Plausibility Of Engine Brake
 P2536 Fault Path For Signal Checkof Engine Compartmentstop Button
 P2536 Fault Path For Signal Check Of Engine Compartment Start Button
 P0475 Open Load Error For Ecrvlv
 P0475 Over Temperature Error For Ecrvlv
 P0478 Short Circuit To Battery Error For Ecrvlv
 P0477 Short Circuit To Ground Error For Ecrvlv
 P062F Eep Readerror Based Onthe Errorfor More Blocks
 P062F Eep Read Error Based On The Error For More Blocks
 P062F Eep Write Error Based On The Error For One Block
 P0403 Current Limited Of Egr Valve

P0404 Dfc For Valve Drift Atclosed Positionof Egr Valve
P0404 Dfc For Valve Drift Atopen Positionof Egr Valve
P0404 Dfc For Rangedrift Of Egr Valve
Persistent Governor Deviation Due To Frozen Actuator (Egr Valve) At Cold
P0404 Start
P0401 Egr Valve Permanent Positive Governor Deviation
P0402 Egr Valvepermanent Negative Governor Deviation
P0487 Open Loaderror For Egrvlvh-Bridge Powerstage
P0403 Shortcircuit Over Loaderrorfor H-Bridge Egrvlvpowerstage
P0404 Temperature Dependent Over Current Error For Egrvlv H-Bridgepowerstage
P0490 Shortcircuit Tobattery Onegr H-Bridge Out1 Error
P0490 Shortcircuit Tobattery Onegr H-Bridge Out2 Error
P0489 Shortcircuit Toground On Egrh-Bridge Out1 Error
P0489 Shortcircuit Toground On Egrh-Bridge Out2 Error
P0403 Shortcircuit Over Loaderrorfor H-Bridge Egrvlvpowerstage
P0403 Temperature Dependent Over Current Error For Egrvlv H-Bridgepowerstage
P0488 Under Voltage Errorfor Egrvlvh-Bridge Powerstage
P0401 Jammed Egr Valve In Closed State
P0402 Jammed Egrvalve In Open State
P0404 Dfc For Longtime Valve Drift At Closed Position Ofegr Valve
P0404 Dfc For Longtime Valve Drift At Open Position Ofegr Valve
P0403 No Load Error For Egrvlv
P0403 Over Temperature Error For Egr Valve Powerstage
P0409 Dfc For Valve Positionsensor Physical Srhigh Ofegr Valve
P0409 Dfc For Valve Positionsensor Physical Srclow Ofegr Valve
P0403 Short Circuit To Battery Error Of Egr Valve
P0403 Short Circuit To Ground Error Of Egr Valve
P0404 Dfc For Short Time Valve Drift Atclosed Position Ofegr Valve
P0404 Dfc For Short Time Valve Drift Atopen Position Ofegr Valve
P0406 Srhigh For Evrvlvposition Sensor Value
P0405 Srclow For Egrvlvposition Sensor Value
P0409 Loose Connection Or Sporadic Temporary Errors Of Egr Valve
P1008 Injection Cut Off Demand (Ico) For Shut Off Coordinator
P0219 Overspeed Detectionin Component Engine Protection
P1009 Indicates If Atmfw Resonance Shutoff Condition Is Active
P100A No Loaderror Onthe Engine Speed Output
P100B Over Temperature Erroronthe Engine Speed Output
P100C Shortcircuit Tobattery Erroron Theengine Speed Output

P100D Shortcircuit Toground Erroron The Engine Speed Output
 U1401 Can Message Of Environment Pressure
 P2229 Srchigh For Environment Pressure
 P2228 Barometric Pressure Sensor Voltage Signal Below Lower Limit
 P0071 Dfc For Environment Temperature Plausibility Check Function
 P0073 Src High For Environment Temperature
 P0072 Src Low For Environment Temperature
 P0341 Dfc For Camshaft Signal Diagnose - Disturbed Signal
 P0340 Dfc For Camshaft Signal Diagnose - No Signal
 P0340 Dfc For Camshaftoffset Angle Exceeded
 P0336 Dfc For Crankshaftsignal Diagnose -Disturbed Signal
 P0335 Dfc For Crankshaft Signal Diagnose - No Signal
 P0475 No Load Error On Low Pressure Exhaust Flap
 P0475 Over Temperature Error On Low Pressure Exhaust Flap
 P0478 Short Circuit To Battery Error On Low Pressure Exhaust Flap
 P0477 Short Circuit To Ground Error On Low Pressure Exhaust Flap
 P0476 Npl Error Of Low Pressure Exhaust Flap
 P0475 Status Line Signal Error Of Low Pressure Exhaust Flap
 P0480 No Loaderror For Diofan1 Powerstage
 P0480 No Loaderror For Diofan2 Powerstage
 P0480 Over Temperature Error For Dio Fan1 Powerstage
 P0480 Over Temperatureerrorfor Dio Fan2 Powerstage
 P0692 Short Circuit To Battery Error For Dio Fan
 P0692 Shortcircuit Tobattery Errorfor Dio Fan
 P0691 Short Circuit To Ground Error Of Dio Fan1 Powerstage
 P0691 Shortcircuit Toground Errorof Diofan1 Powerstage
 P0481 No Load Error For Pwm Fan Powerstage
 P0481 Over Temperature Error For Pwm Fan Powerstage
 P0694 Short Circuit To Battery Error For Pwm Fan
 P0693 Short Circuit To Ground Error Of Pwm Fan Powerstage
 P0480 Dfc For Fan Speed Signal Long Period
 P0495 Fan Speed Signal Range Check High Fault Path
 P0494 Fan Speed Signal Range Check Low Fault Path
 Fbc (Fuel Quantity Balancing Control) Correction Quantities At Limitation
 P0611 For Injector 1
 Fbc (Fuel Quantity Balancing Control) Correction Quantities At Limitation
 P0611 For Injector 2
 P0611 Fbc (Fuel Quantity Balancing Control) Correction Quantities At Limitation

For Injector 3
Fbc (Fuel Quantity Balancing Control) Correction Quantities At Limitation
P0611 For Injector 4
Fbc (Fuel Quantity Balancing Control) Correction Quantities At Limitation
P0611 For Injector 5
Fbc (Fuel Quantity Balancing Control) Correction Quantities At Limitation
P0611 For Injector 6
P1046 Fuel Filter Clogging Sensor Voltage Signal Too High
P1047 Fuel Filter Clogging Sensor Voltage Signal Too Low
P1048 Fuel Filter Clogging Fault
P1049 Fuel Filter Clogging Sensor Signal Unreasonable
P1032 No Load Error In Powerstage Of Fuel Filter Heating
P1033 Over Temperature Error In Powerstage Of Fuel Filter Heating
P1034 Short Circuit To Battery Error In Powerstage Of Fuel Filter Heating
P1035 Shortcircuit Toground Errorin Powerstage Of Fuelfilter Heating
P2267 Src High For Water Level Sensor
P2266 Src Low For Water Level Sensor
P2269 Water In Fuel Detection Switch Error
Fuel Tank Below Critical Level Or Danger Of An Air Contaminated Hydraulic
P0460 System
P0183 Src High For Fuel Temperature Sensor
P0182 Src Low For Fuel Temperature Sensor
P0181 Dfc For Fueltemperature Plausibilitycheck Function
U1402 Check For Errorfor Caninput Of Gearbox
P0381 No Loaderror For Glowlamp Powerstage
P0381 Over Temperatureerrorfor Glow Lamp Powerstage
P0381 Short Circuit To Battery Error For Glow Lamp Powerstage
P0381 Short Circuit To Ground Error Of Glow Lamp Powerstage
P0110 Dfc For Open Load On Power Stage For Intake Air Heater
P0110 Dfc For Over Temperature On Power Stage For Intake Air Heater
P0113 Dfc For Short Circuit To Battery On Power Stage For Intake Air Heater
P0112 Dfc For Short Circuit To Ground On Power Stage For Intake Air Heater
P100E Number Of Injections Is Limited By Charger Balance Of Booster Capacity
P100F Number Of Injections Is Limited By Quantity Balance Of High Pressure Pump
P1010 Numberof Injections Is Limitedbysystem
P1011 Number Of Injections Is Limited By Runtime
P0A0F Check Of Engine Starting Problems
P0087 Check Of Minimum Rail Pressure

P062B Check Of Missing Injector Adjustment Value Programming Of Logical Injector 1
P062B Check Of Missing Injector Adjustment Value Programming Of Logical Injector 2
Check Of Missing Injector Adjustment Value Programming Of Logical Injector
P062B 3
Check Of Missing Injector Adjustment Value Programming Of Logical Injector
P062B 4
Check Of Missing Injector Adjustment Value Programming Of Logical Injector
P062B 5
Check Of Missing Injector Adjustment Value Programming Of Logical Injector
P062B 6
P062D Short Circuit Of Injection Bank1
P062E Short Circuit Of Injection Bank2
P062B Cy33X Is Defect
P0201 Open Load Of Logical Injector 1
P0203 Open Load Of Logical Injector 2
P0204 Open Load Of Logical Injector 3
P0202 Open Load Of Logical Injector 4
P0205 Open Load Of Logical Injector 5
P0206 Open Load Of Logical Injector 6
P0263 Special Pattern For Special Cases Of Logical Injector 1
P0269 Special Pattern For Special Cases Of Logical Injector 2
P0272 Special Pattern For Special Cases Of Logical Injector 3
P0266 Special Pattern For Special Cases Of Logical Injector 4
P0275 Special Pattern For Special Cases Of Logical Injector 5
P0278 Special Pattern For Special Cases Of Logical Injector 6
P0262 General Short Circuit Logical Injector 1
P0268 General Short Circuit Logical Injector 2
P0271 General Short Circuit Logical Injector 3
P0265 General Short Circuit Logical Injector 4
P0274 General Short Circuit Logical Injector 5
P0277 General Short Circuit Logical Injector 6
P0261 Short Circuit Low Side To High Side Logical Injector 1
P0267 Short Circuit Low Side To High Side Logical Injector 2
P0270 Short Circuit Low Side To High Side Logical Injector 3
P0264 Short Circuit Low Side To High Side Logical Injector 4
P0273 Short Circuit Low Side To High Side Logical Injector 5
P0276 Short Circuit Low Side To High Side Logical Injector 6
P062D Time Out Of Scg Measurement Of Injection Bank 1

P062E Time Out Of Scg Measurement Of Injection Bank 2
P1581 Short Circuit To Gruond Monitoring Test In Bank 1
P1582
P251C Pto Switch Max Error
P0251 Intermittent Contactbetween Ecu And Meun
P0251 Open Load Ofmetering Unitoutput
P0252 Over Teperature Ofdevice Driverofmetering Unit
P0254 Dfc Of A Short Circuit To Battery In The High Side Of The Metering Unit
P0253 Dfc Of A Short Circuit To Ground In The High Side Of The Metering Unit
P0254 Dfc Of A Short Circuit To Battery In The Low Side Of The Metering Unit
P0253 Dfc Of A Short Circuit To Battery In The Low Side Of The Metering Unit
P0254 Signal Range Check High Error Of Metering Unit Ad-Channel
P0253 Signal Range Checklow Errorofmetering Unit Ad-Channel
P0650 No Loaderror For Mil Lamppowerstage
P0650 Over Temperatureerrorfor Mil Lamp Powerstage
P0650 Shortcircuit Tobattery Errorfor Mil Lamp Powerstage
P0650 Short Circuit To Ground Error Of Mil Lamp Powerstage
P251B Pto Switch Min Error
P060B Ecu Internal Diagnositic Error (Moc)
P060B Ecu Internal Diagnositic Error (Moc)
P060B Ecu Internal Diagnositic Error (Moc)
P060C Ecu Internal Diagnositic Error (Moc)
P060C Ecu Internal Diagnositic Error (Moc)
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P060C Ecu Internal Diagnositic Error (Moc)
P060C Ecu Internal Diagnositic Error (Moc)
P1012 Ecuinternal Diagnositic Error (Mof)
P1013 Ecuinternal Diagnositic Error (Mof)
P1014 Ecuinternal Diagnositic Error (Mof)
P1015 Ecuinternal Diagnositic Error (Mof)

P1016 Ecuinternal Diagnositic Error (Mof)
 P1017 Ecuinternal Diagnositic Error (Mof)
 P1018 Ecuinternal Diagnositic Error (Mof)
 P1019 Ecuinternal Diagnositic Error (Mof)
 P101A Ecuinternal Diagnositic Error (Mof)
 P101A Ecuinternal Diagnositic Error (Mof)
 P101B Ecuinternal Diagnositic Error (Mof)
 P101C Ecuinternal Diagnositic Error (Mof)
 P1045 Ecuinternal Diagnositic Error (Mof)
 P101D Ecuinternal Diagnositic Error (Mof)
 P101E Ecu Internal Diagnositic Error (Mon)
 P101F Ecu Internal Diagnositic Error (Mon)
 P1020 Ecu Internal Diagnositic Error (Mon)
 P1600 Ecu Internal Diagnositic Error (Mon)
 P1601 Ecu Internal Diagnositic Error (Mon)
 P068A Main Relay Disconnected Too Early
 P068B Main Relay Stuck
 P253E Pto Switchnpl Error
 P1021 Obd Fault
 P1022 Obd Fault
 P1023 Obd Fault
 P1024 Obd Fault
 P1025 Obd Fault
 P1026 Obd Fault
 P1027 Obd Fault
 P1028 Obd Fault
 P1029 Obd Fault
 P102A Obd Fault
 P102B Obd Fault
 P102C Obd Fault
 P102D Obd Fault
 P102E Obd Fault
 P102F Obd Fault
 P1030 Obd Fault
 P060C Diagnostic Fault Check To Report
 P060C Diagnostic Fault Check To Report
 P060C Diagnostic Fault Check To Report
 P060C Diagnostic Fault Check To Report

P250D Maximum Signal Error Of Oil Level Sensor
P250C Minimum Signal Error Of Oil Level Sensor
P250B Plausibility Check Of Oil Level Sensor
P252F Oil Level Sensor Measured Level Above Upper Limit
P250F Oil Level Sensor Measured Level Below Lower Limit
P160B Dfc For Open Load Error Of Oil Pressure Lamp
P160C Dfc For Over Temperature Error Of Oil Pressure Lamp
P160D Dfc For Short Circuit To Battery Error Of Oil Pressure Lamp
P160E Dfc For Short Circuit To Ground Error Of Oil Pressure Lamp
P0524 Dfc For Minimum Oil Pressure From Digital Sensor
P0521 Dfc For Plausibility Test In Case Of Digital Sensor Of Oil Pressure Sensor
P0523 Maximum Oil Pressure Error In Plausibility Check
P0524 Minimum Oil Pressure Error In Plausibility Check
P0520 Signal Error On Can For Oil Pressure Sensor
P0523 Src Low For Oil Pressure Sensor
P0522 Src Low For Oil Pressure Sensor
P0196 Oil Temperature Too High Plausibility Error
U1403 Signal Error On Can For Oil Temperature
P0198 Srchigh For Oil Temperature
P0197 Src Low For Oil Temperature
P0196 Dfc For Oil Temperature Plausibility Check
P2263 Pcr Positive Governor Deviation Above Limit
P2263 Pcrnegative Governordeviation Below Limit
Not Plausible Fault: Phymod_Trq2Qbas_Map Contains Non Strictly Monotonus
P1031 Q Curves
P006D Plausibility Check For Air Pressure At The Upstream Of Intake Valve Sensor
P006D Plausibility Check For Air Pressure At The Upstream Of Intake Valve Sensor
P0238 Srchigh For Chargerdair Cooler Pressure (Down Stream)
P0237 Srclow For Chargerdair Cooler Pressure (Down Stream)
P2002 Particle Oxidation Catalyst (Poc) Clogged
P2002 Particle Oxidation Catalyst (Poc) Removed
Differential Pressure Between Both Ends Of Particle Oxidation Catalyst
P2455 (Poc) Above Upper Limit
Differential Pressure At Both Ends Of Particle Oxidation Catalyst (Poc)
P2454 Below Lower Limit
Differential Pressure Sensor Signal Of Particle Oxidation Catalyst (Poc)
P2453 Implausible
U0100 The Differential Pressure Sensor Signal Of Particle Oxidation Catalyst

(Poc) From Can Bus Is Faulty
 Differential Pressure Sensor Signal Of Particle Oxidation Catalyst (Poc)
 P2455 Above Upper Limit
 Differential Pressure Sensor Signal Of Particle Oxidation Catalyst (Poc)
 P2454 Below Lower Limit
 P0089 Pressure Relief Valve Reached Maximun Allowed Opening Count
 P0089 Pressure Relief Valve Is Forced To Open; Perform Pressure Increase
 P0089 Pressure Relief Valve Is Forced To Open; Perform Pressure Shock
 P0089 Pressure Relief Valve Is Open
 P1036 Quantity Balance Check If A Successfull Prv Opening Is Ensured
 P1037 Averaged Rail Pressure Is Outside The Expected Tolerance Range
 P0089 Pressure Relief Valve Reached Maximun Allowed Open Time
 P060C Reported Msc-Errors Of A R2S2
 P0251 Maximumpositive Deviationof Railpressure Eexceeded
 Dfc For High Pressure Pump Delivery Quantity Exceeds The Plausibility Limit
 P0251 Of The Volume Flow Balance
 Maximum Negative Rail Pressure Deviation With Metering Unit On Lower Limit
 P0251 Is Exceeded
 P0251 Dfc For Negative Governor Deviation At Zero Delivery (Second Stage)
 P0087 Minimum Rail Pressureexceeded
 P0088 Maximumrail Pressure Exceeded
 P0088 Dfc For Maximum Rail Pressure (Second Stage)
 P1050 Error Detection By Metering Unit Set Value In Overrun
 P0251 Plausibility Check Of The Volume Flow Of The Metering Unit At Low Idle
 P0194 Railpressure Raw Valueis Intermittent
 P0191 Railpressure Raw Valueis Above Maximum Offset
 P0191 Railpressure Raw Valueis Below Minimum Offset
 P0088 Monitoring For Maximum Rail Pressure In Limp Home Mode With Prv
 P0088 Monitoring For Minimum Injection Quantity During Limp Home Mode With Prv
 P0088 Monitoring For High Fuel Temperature During Limp Home Mode With Prv
 P0193 Rail Pressure Sensor Voltage Above Upper Limit
 P0192 Railpressure Sensorvoltage Below Lower Limit
 U1404 Pto Switch Signal Error (Com_Stptosw=0X0E When Ptoswt_Swtsig_C = 1)
 P0123 Signal Range Check High For App1
 P0223 Signal Range Check High For App2
 P1501 Signal Range Check High For Rmtappl
 P1502 Signal Range Check High For Rmtapp2
 P0122 Signal Range Check Low For App1

P0222 Signal Range Check Low For App2
P1503 Signal Range Check Low For Rmtapp1
P1504 Signal Range Check Low For Rmtapp2
P0643 Error Sensorsupplies 1
P0653 Error Sensorsupplies 2
P0699 Error Sensor Supplies 3
P1602 Monitoring Of 12V Sensor Supply 1 Src_High Error
P1603 Monitoring Of 12V Sensor Supply 1 Src_Low Error
P1602 Monitoring Of 12V Sensor Supply Src_High Error
P1603 Monitoring Of 12V Sensor Supply Src_Low Error
P060C Timer Error Of Stop Counter
P160F Dfc For Open Load Error On The Output Powerstage For Stop Lamp
P1610 Dfc For Over Temperature Error On The Output Powerstage For Stop Lamp
Dfc For Short Circuit To Battery Error On The Output Powerstage For Stop
P1611 Lamp
Dfc For Short Circuit To Ground Error On The Output Powerstage For Stop
P1612 Lamp
P0615 No Loaderror For Starter
P0615 Over Temperature Error On Ecu Powerstage For Starter
P0617 Short Circuit To Battery Error For Starter
P0616 Short Circuit To Ground Error Of Starter Output
P1604 No Load Error For Svs Lamp Powerstage
P1605 Over Temperature Error For Svs Lamp Powerstage
P1606 Shortcircuit Tobattery Errorofsvs Lamp Powerstage
P1607 Short Circuit To Ground Error Of Svs Lampe Powerstage
P1608 Softwareresets 0
P1609 Softwareresets 1
P160A Softwareresets 2
P2135 Plausibility Check Between App1 And App2
Diagnostic Fault Check Of Synchronism For Double Potentiometer And Low Idle
P2135 Switch (Lis)
Diagnostic Fault Check Of Synchronism Of Both Remote Acceleration Pedal
P1505 Signals
P2530 Defective T50 Switch
P0113 Srchigh For Air Temperaturesensor Of Hfm
P0112 Src Low For Air Temperature Sensor Of Hfm
P0113 Srchigh For Periodduration Ofair Temperaturesensor Of Hfm
P0112 Srclow For Periodduration Ofair Temperaturesensor Of Hfm

P0099 Signal Error For Charger Air Cooler Downstream Temperature
P0098 Src High For Charger Air Cooler Downstream Temperature
P0097 Src Low For Charger Air Cooler Downstream Temperature
P0096 Chargerd Air Cooler Temperature Down Stream Plausibility Check Error
P0669 Src High For Ecu Temperature Sensor
P0668 Src Low For Ecu Temperature Sensor
P2100 Current Limitedfor Throttlevalve
P2108 Dfc For Valve Drift At Closed Position Of Tva Valve
P2108 Dfc For Valve Drift Atopen Positionof Tva Valve
P2108 Dfc For Rangedrift Of Tva Valve
P2112 Throttle Valve Governordeviation In Cold Start
P2112 Permanent Governordeviationfor Throttle Valve
P2111 Permanent Governordeviationfor Throttle Valve
P2112 Jammed Valve Closed Of Throttle Valve
P2111 Jammed Valve Open Ofthrottle Valve
P2108 Dfc For Long Time Valve Drift At Closed Position Of Tva Valve
P2108 Dfc For Longtime Valve Drift At Open Position Oftva Valve
P2100 No Load Error For Powerstage On Cj945 For Throttle Valve
P2101 Over Temperature Error On Cj945 For Throttle Valve
P2101 Dfc For Throttlevalve Position Sensor Physical Srchigh
P2101 Dfc For Throttle Valve Position Sensor Physical Src Low
P2103 Short Circuit To Battery Error For Powerstage On Cj945 For Throttle Valve
P2102 Short Circuit To Ground Error For Powerstage On Cj945 For Throttle Valve
P2108 Dfc For Short Time Valve Drift Atclosed Position Oftva Valve
P2108 Dfc For Short Time Valve Drift Atopen Position Oftva Valve
Throttle Valve Actuator (Tva) Position Feedback Sensor Value Above Upper
P2622 Limit (Analog Signal)
Throttle Valve Actuator (Tva) Position Feedback Sensor Value Below Lower
P2621 Limit (Analog Signal)
P2620 Fault Code For Temporaryerrors For Throttle Valve
Diagnostic Fault Check For Src High In Engine Inlet Valve Air Temperature
P0113 Upstream Sensor
Diagnostic Fault Check For Src Low In Engine Inlet Valve Air Temperature
P0112 Upstream Sensor
P0045 No Load Error For Turbo Charger Powerstage
P0049 Error Path For Monitoring Of Turbocharger Overspeed
P0045 Over Temperature Error For Turbo Charger Powerstage
P0048 Short Circuit To Battery Error Of Turbo Charger Powerstage

P0047 Booster Control Circuit Short To Ground
 U1405 Signalerror For Vehicle Speed Over Can
 P0279 Maximum Threshold Error For Vehicle Speed
 P2162 Npl Error For Vehicle Speed Signal Over Tachomter Or Hardware Sensor
 P0501 Npl Error For Vehicle Speed Signal Over Tachomter Or Hardware Sensor
 Signal Level Low Error For Vehicle Speed Signal Over Tachomter Or Hardware
 P0503 Sensor
 Signal Level Low Error For Vehicle Speed Signal Over Tachomter Or Hardware
 P0502 Sensor
 P2158 Vehicle Speed Signal From Instrument Panel Above Upper Limit
 P2160 Vehicle Speed Signal From Instrument Panel Below Lower Limit
 P2161 The Vehicle Speed Signal From Instrument Panel Is Faulty
 P1613 No Load Error Of Warning Lamp
 P1614 Over Temperature Error Of Warning Lamp
 P1615 Short Circuit To Battery Error Of Warning Lamp
 P1616 Short Circuit To Ground Error Of Warning Lamp

1.1.11.2 YUNNEI D30 EURO V System

1.1.11.2.1 YUNNEI D30 EURO V Diesel Engine

P0100 Battery Voltageerrorof Hfm Sensor
 P0101 Dfc For Maximum Difference Plausibility Of Afs Drift Adjustment
 P0101 Dfc For Plausibility Of Afs Drift Adjustment
 P0101 Air Flow Meter (Hfm) Idling Condition Offset Correction Above Upper Limit
 Load Correction Factor Of The Drift Compensation Function Exceed The
 P0101 Maximum Drift Limit
 P0101 Sensitivity Drift Higherrorfor Hfmsensor
 P0101 Sensitivity Drift Errorlowfor Hfmsensor
 P0103 Hardware Errordetectionfor Hfm Sensor
 P0103 Src High Error For Raw Value In Hfm Sensor
 P0102 Srclow Errorfor Rawvalue In Hfm Sensor
 P0645 No Load Error On Power Stage For The Compressor
 P0645 Over Temperature Error On Powerstage For The Compressor
 P0645 No Load Error On Power Stage For The Reduce Torque Instruction Compressor
 P0645 Over Temperature Error On Powerstage For The Reduce Torque Instruction

Compressor

Short Circuit To Battery Error On Power Stage For The Reduce Torque

P0647 Instruction Compressor

Shortcircuit To Ground Error On Power Stage For The Reduce Torque Instruction

P0646 Compressor

P0647 Shortcircuit To Battery Error On Power Stage For The Compressor

P0646 Short Circuit To Ground Error On Power Stage For The Compressor

U0424 Air Compressor Switch Plausibility Error For Can Input

U0466 Air Compressor Switch Signal Error For Can Input

P0101 Positive Air Ctrl Governor Deviation Above Limit For Regeneration

P0101 Negative Air Ctrl Governor Deviation Below Limit For Regeneration

P0402 Air Control System Governor Deviation Above Limit

P0401 Air Control System Governor Deviation Below Limit

P0100 Error Path For Too Long Time Spent In Transition Mode For Air Control

P2609 Dfc For Src High Error In Air Heater During Off

P2609 Dfc For Src Low Error In Air Heater During Off

P2609 Dfc For Src High Error In Air Heater During On

P2609 Dfc For Src Low Error In Air Heater During On

P2609 Dfc For Grid Heater Always Switched On

P1000 Error Of The First Fresh Air Temperature Sensor At Cold Start

P1001 Error Of The First Fresh Air Temperature Sensor At Cold Start

P1002 Error Of The First Fresh Air Temperature Sensor At Cold Start

P1003 Error Of The First Fresh Air Temperature Sensor At Cold Start

P1004 Error Of The First Fresh Air Temperature Sensor At Cold Start

Event Of An Error In Case Of More Than One Fresh Air Temperature Sensor

P1005 At Cold Start

P0659 Dfc For Short Circuit To Battery Of Actuator Relay With Index X=0

P2671 Dfc For Short Circuit To Battery Of Actuator Relay With Index X=1

P0658 Dfc For Short Circuit To Ground Of Actuator Relay With Index X=0

P2670 Dfc For Short Circuit To Ground Of Actuator Relay With Index X=1

P0563 Signal Range Check High Error For Battery Voltage Sensor

P0562 Signal Range Check Low Error For Battery Voltage Sensor

P0563 Src High For Battery Voltage Sensor

P0562 Src Low For Battery Voltage Sensor

P0504 Dfc For Non Plausibility Of Brake Status

P0504 Cruise Control Release Failure

P0504 Plausibility Check For Brake

P0504 Dfc For Non Plausibility Of Brake Status (In Single Brake System)

P0571 Sig Error For Brake
 U0073 Can A Passive Fault
 U0073 Can B Passive Fault
 U0073 Error Passive Can C
 U0073 Can D Passive Fault
 U0073 Can A Communication Interrupted
 U0073 Can B Communication Interrupted
 U0073 Busoff Error Can C
 U0073 Can D Communication Interrupted
 P0116 Defect Fault Check For Coolant Temperature Absolute Plausibility Test
 P0116 Defect Fault Check For Coolant Temperature Dynamic Plausibility Test
 U0116 Can Signal Error Of Engine Coolant Temperature (Down Stream)
 P0118 Src High For Engine Coolant Temperature (Down Stream)
 P0117 Src Low For Engine Coolant Temperature (Down Stream)
 P0116 Engine Coolant Temperature Plausibility Check
 P0704 Plausibilitycheck For Clutch
 U1400 Cansignal Error For Clutch
 P1038 Torque Limitation Caused By Turbo Charger Protection
 P1039 Torque Limitation Caused By Engine Protection
 P1040 Torque Limitation Caused By Injection System
 P1006 Working Limitation Information
 P1041 Torque Limitation Caused By Engine Brake
 P1042 Torque Limitation Caused By Particulate Filter
 P1043 Torque Limitation Caused By Performance Limiter
 P1044 Torque Limitation Caused By Smoke Limitation
 U0100 Timeout Error Of Can-Send-Frame Ack
 U0100 Timeout Error Of Can-Transmit-Frame Ambcon
 U0113 Dlcerror Of Can-Receive-Frame At1Igl
 U0113 Timeout Error Ofcan-Receive-Frame At1Igl
 Upstream Nox Sensor Can Signal Correction Frame 1 Reception Timeout (I. E.
 U0113 Signal Missing)
 U0113 Dfc For At1Igc2Rx Frame Timeout Error
 U0113 Dlcerror Of Can-Receive-Frame At10gl
 U0113 Timeout Error Ofcan-Receive-Frame At10gl
 Downstream Nox Sensor Can Signal Correction Frame 1 Reception Timeout (I. E.
 U0113 Signal Missing)
 U0113 Dfc For At10gc2Rx Frame Timeout Error
 U0113 Acknowledgement Message Error For Dm19Ds Can Message On Exceeding The

Maximum Limit Of Ack Message Reception

U0113 Bam To Packet Timeout For Dm19Ds Can Message

U0113 Bam To Packet Timeout For Dm19Ds Can Message

U0113 Packet To Packet Timeout For Dm19Ds Can Message

Acknowledgement Message Error For Dm19Us Can Message On Exceeding The

U0113 Maximum Limit Of Ack Message Reception

U0113 Bam To Packet Timeout For Dm19Us Can Message

U0113 Bam To Packet Timeout For Dm19Us Can Message

U0113 Packet To Packet Timeout For Dm19Us Can Message

U0113 Timeout For Bam To Packet

U0113 Timeout For Bam To Packet

Obd-Related Faults For Urea Injection Control Unit (Dcu) Activated The

P1400 Torque Limitation

P1401 Error Path Spn2 Matching Of Dm1Dcu Message

P1402 Error Path Spn2 Matching Of Dm1Dcu Message

P1403 Error Path Spn2 Matching Of Dm1Dcu Message

P1404 Error Path Spn2 Matching Of Dm1Dcu Message

P1405 Timeout For Dm1Dcu Can Message

U0129 Dfc For Dlc Error Of Can-Receive-Frame Ebcl

U0129 Timeout Error Of Can-Receive-Frame Ebcl

U0100 Timeout Error Of Can-Transmit-Frame Eec1

U0100 Timeout Error Of Can-Transmit-Frame Eec2

U0100 Timeout Error Of Can-Transmit-Frame Eec3

U0100 Timeout Error Of Can-Transmit-Frame Efl_P1

External Shut Off Request By Electronic Brake Controller 1 Message (Not

U1100 A Failure But An External Shut Off Request)

U0100 Timeout Error Of Can-Transmit-Frame Engtemp

U0100 Timeout Error Of Can-Transmit-Frame Erc1

U0103 Dfc For Dlc Error Of Can-Receive-Frame Etc1

U0103 Timeout Error Of Can-Receive-Frame Etc1

U0291 Dfc For Dlc Error Of Can-Receive-Frame Etc2

U0291 Timeout Error Of Can-Receive-Frame Etc2

U0100

U0100 Timeout Error Of Can-Transmit-Frame Incon

U0100 Timeout Error Of Can-Transmit-Frame Flc

Sae J1939 Error Of Aftertreatment 1 Outlet Gas Nox Sensor New Part Deviation

U0113 Nox Gain

U0113 Dfc Sae J1939 Error Of Aftertreatment 1 Inlet Gas Nox Sensor New Part

Deviation Nox Gain
Sae J1939 Error Of Aftertreatment 1 Outlet Gas Nox Sensor New Part Deviation
U0113 Nox Offset Message.
Dfc Sae J1939 Error Of Aftertreatment 1 Inlet Gas Nox Sensor New Part
U0113 Deviation Nox Offset Message.
Sae J1939 Error For Outlet Gas Nox Sensor Correction Of Lambda Pressure
U0113 Message
Sae J1939 Error For Inlet Gas Nox Sensor Correction Of Lambda Pressure
U0113 Message
U0113 Sae J1939 Error For Outlet Gas Nox Sensor Correction Of Nox Pressure Message
U0113 Sae J1939 Error For Inlet Gas Nox Sensor Correction Of Nox Pressure Message
U0113 Sae J1939 Error For Aftertreatment 1 Outlet Nox Sensor Heater Ratio Message
U0113 Sae J1939 Error For Aftertreatment 1 Inlet Nox Sensor Heater Ratio Message
U0113 Sae J1939 Error For Outlet Gas Nox Sensor Correction Of Nh3 Message
U0113 Sae J1939 Error For Inlet Gas Nox Sensor Correction Of Nh3 Message
U0113 Sae J1939 Error For Outlet Gas Nox Sensor Correction Of No2 Message
U0113 Sae J1939 Error For Inlet Gas Nox Sensor Correction Of No2 Message
U0113 Sae J1939 Error For Nox Concentration Quantity Message
U0113 Sae J1939 Error For Nox Concentration Upstream Message
U0113 Dfc For Time Out Error For Dm19 Downstream Bam Message
U0113 Dfc For Time Out Error For Dm19 Upstream Bam Message
U0113 Sae J1939 Error For The Actual Oxidation Factor Downstream Message
U0113 02Nomcatds Bam Can Signal Reception Timeout (I.E. Signal Missing)
U0100 Timeout Error Of Engine Retarder Configuration Bam Message
U0100 Timeout Error Of Engine Retarder Configuration Packet Frame
U0100 Dfc For Dlc Error Of Can-Receive-Frame Rxccvs
U0104 Timeout Error Of Can-Receive-Frame Rxccvs
U0113 Dfc Sae J1939 Error For Sensor Status Byte Message (Nox Signal)
U0113 Sae J1939 For Sensor Status Byte Downstream Sensor (Nox Signal)
U0113 Dfc Sae J1939 Error Sensor Status Byte Message (02 Signal)
U0113 Sae J1939 Error For Sensor Status Byte Downstream (02 Signal)
U0113 Sae J1939 Error For Sensor Status Byte Message (Power Signal)
U0113 Sae J1939 Error For Sensor Status Byte Downstream Message (Power Signal)
U0113 Sae J1939 Sensor For Status Byte Downstream Message (Temperature Signal)
U0113 Dfc Sae J1939 Error For Sensor Status Byte Message (Temperature Signal)
U0100 Timeout Error Of Can-Transmit-Frame Shutdwn
U0100 Dfc For Dlc Error Of Can-Receive-Frame Tcol
U0100 Timeout Error Of Can-Receive-Frame Tcol

U1103 Timeout Error Ofcan-Receive-Frame T1l
 U0101 Dfc For Dlc Error Of Can-Receive-Frame Timedate
 U1101 Timeout Error Of Can-Receive-Frame Timedate
 U0121 Active Dfc Timeout Of Tsc1Ae Message
 U0121 Passive Dfc Timeout Of Tsc1Ae Message
 U0121 Dfc (Diagnostic Fault Check) For Active Timeout Of Tsc1Ar
 U0121 Dfc (Diagnostic Fault Check) For Passive Timeout Of Tsc1Ar
 U0121 Active Dfc Timeout Of Tsc1De Message
 U0121 Passive Dfc Timeout Of Tsc1De Message
 U0121 Dfc (Diagnostic Fault Check) For Active Timeout Of Tsc1Dr
 U0121 Dfc (Diagnostic Fault Check) For Passive Timeout Of Tsc1Dr
 U0121 Active Dfc Timeout Of Tsc1Pe Message
 U0121 Passive Dfc Timeout Of Tsc1Pe Message
 U0121 Active Time Out For Tsc1Te
 U0121 Passive Time Out For Tsc1Te
 U0121 Dfc (Diagnostic Fault Check) For Active Timeout Of Tsc1Tr
 U0121 Dfc (Diagnostic Fault Check) For Passive Timeout Of Tsc1Tr
 U0121 Active Time Out For Tsc1Ve
 U0121 Passive Time Out For Tsc1Ve
 U0121 Dfc (Diagnostic Fault Check) For Active Timeout Of Tsc1Vr
 U0121 Dfc (Diagnostic Fault Check) For Passive Timeout Of Tsc1Vr
 U0121 Dfc For Dlc Error Of Can-Receive-Frame Tsc1Ae
 U0121 Timeout Error Of Can-Receive-Frame Tsc1Ae
 U0121 Dfc For Dlc (Data Length Check) Error Of Can-Receive-Frame Tsc1Ar
 U0121 Dfc For Timeout Of Can-Receive-Frame Tsc1Ar
 U0121 Dfc For Dlc Error Of Can-Receive-Frame Tsc1De
 U0121 Timeout Error Of Can-Receive-Frame Tsc1De
 U0121 Dfc For Dlc (Data Length Check) Error Of Can-Receive-Frame Tsc1Dr
 U0121 Dfc For Timeout Of Can-Receive-Frame Tsc1Dr
 U0121 Dfc For Dlc Error Of Can-Receive-Frame Tsc1Pe
 U0121 Timeout Error Of Can-Receive-Frame Tsc1Pe
 U0121 Dfc For Dlc Error Of Can-Receive-Frame Tsc1Te
 U0121 Timeout Error Of Can-Receive-Frame Tsc1Te
 U0121 Dfc For Dlc (Data Length Check) Error Of Can-Receive-Frame Tsc1Tr
 U0121 Dfc For Timeout Of Can-Receive-Frame Tsc1Tr
 U0121 Dfc For Dlc Error Of Can-Receive-Frame Tsc1Ve
 U0121 Timeout Error Of Can-Receive-Frame Tsc1Ve
 U0121 Dfc For Dlc (Data Length Check) Error Of Can-Receive-Frame Tsc1Vr

U0121 Dfc For Timeout Of Can-Receive-Frame Tsc1Vr
 U0104 Timeout Error Of Can-Transmitframe
 U1105 Timeout Error Of Can-Transmit-Frame Txpgnrqglb.
 U0100 Timeout Error Of Can-Transmit-Frame Txpgnrq.
 U0100 Timeout Error Of Can-Transmit-Frame Uaa1
 U0100 Timeout Error Of Can-Transmit-Frame Uaa2
 U0100 Timeout Error Of Can-Transmit-Frame Uaa3
 U0100 Timeout Error Of Can-Transmit-Frame Uaa4
 U0100 Timeout Error Of Can-Transmit-Frame Uaa5
 U0100 Timeout Error Of Can-Transmit-Frame Uaa6
 U0100 Timeout Error Of Can-Transmit-Frame Uaa7
 U0100 Timeout Error Of Can-Transmit-Frame Uaa8
 U0100 Timeout Error Of Can-Transmit-Frame Vd
 U0100 Timeout Error Of Can-Transmit-Frame Vep1
 U1106 Timeout Error Of Can-Transmit-Frame Wfi
 P1007 Performance Limiter Isactive
 Fault Path Which Indicates The Invalid Combination Of Cruise Control Keys
 P0575 Pressed
 P0607 Reported Spi And Com-Errors Of A Cy146
 P0607 Spi/Com-Errors Of The Cy320
 P0563 Powerstage Diagnosis Could Be Disabled Due To High Battery Voltage
 P0562 Powerstage Diagnosis Could Be Disabled Due To Low Battery Voltage
 P1500 Diagnostic Fault Check For Plausibility Of Engine Brake
 P2536 Fault Path For Signal Checkof Engine Compartmentstop Button
 P2536 Fault Path For Signal Check Of Engine Compartment Start Button
 P0475 Open Load Error For Ecrvlv
 P0475 Over Temperature Error For Ecrvlv
 P0478 Short Circuit To Battery Error For Ecrvlv
 P0477 Short Circuit To Ground Error For Ecrvlv
 P062F Eep Readerror Based Onthe Errorfor More Blocks
 P062F Eep Read Error Based On The Error For More Blocks
 P062F Eep Write Error Based On The Error For One Block
 P0403 Current Limited Of Egr Valve
 P0404 Dfc For Valve Drift Atclosed Positionof Egr Valve
 P0404 Dfc For Valve Drift Atopen Positionof Egr Valve
 P0404 Dfc For Rangedrift Of Egr Valve
 Persistent Governor Deviation Due To Frozen Actuator (Egr Valve) At Cold
 P0404 Start

P0401 Egr Valve Permanent Positive Governor Deviation
P0402 Egr Valvepermanent Negative Governor Deviation
P0487 Open Loaderror For Egrvlvh-Bridge Powerstage
P0403 Shortcircuit Over Loaderrorfor H-Bridge Egrvlvpowerstage
P0404 Temperature Dependent Over Current Error For Egrvlv H-Bridgepowerstage
P0490 Shortcircuit Tobattery Onegr H-Bridge Out1 Error
P0490 Shortcircuit Tobattery Onegr H-Bridge Out2 Error
P0489 Shortcircuit Toground On Egrh-Bridge Out1 Error
P0489 Shortcircuit Toground On Egrh-Bridge Out2 Error
P0403 Shortcircuit Over Loaderrorfor H-Bridge Egrvlvpowerstage
P0403 Temperature Dependent Over Current Error For Egrvlv H-Bridgepowerstage
P0488 Under Voltage Errorfor Egrvlvh-Bridge Powerstage
P0401 Jammed Egr Valve In Closed State
P0402 Jammed Egrvalve In Open State
P0404 Dfc For Longtime Valve Drift At Closed Position Ofegr Valve
P0404 Dfc For Longtime Valve Drift At Open Position Ofegr Valve
P0403 No Load Error For Egrvlv
P0403 Over Temperature Error For Egr Valve Powerstage
P0409 Dfc For Valve Positionsensor Physical Srhigh Ofegr Valve
P0409 Dfc For Valve Positionsensor Physical Srclow Ofegr Valve
P0403 Short Circuit To Battery Error Of Egr Valve
P0403 Short Circuit To Ground Error Of Egr Valve
P0404 Dfc For Short Time Valve Drift Atclosed Position Ofegr Valve
P0404 Dfc For Short Time Valve Drift Atopen Position Ofegr Valve
P0406 Srhigh For Evrvlvposition Sensor Value
P0405 Srclow For Egrvlvposition Sensor Value
P0409 Loose Connection Or Sporadic Temporary Errors Of Egr Valve
P1008 Injection Cut Off Demand (Ico) For Shut Off Coordinator
P0219 Overspeed Detectionin Component Engine Protection
P1009 Indicates If Atmfw Resonance Shutoff Condition Is Active
P100A No Loaderror Onthe Engine Speed Output
P100B Over Temperature Erroronthe Engine Speed Output
P100C Shortcircuit Tobattery Erroron Theengine Speed Output
P100D Shortcircuit Toground Erroron The Engine Speed Output
U1401 Can Message Of Environment Pressure
P2229 Srhigh For Environment Pressure
P2228 Barometric Pressure Sensor Voltage Signal Below Lower Limit
P0071 Dfc For Environment Temperature Plausibility Check Function

P0073 Src High For Environment Temperature
P0072 Src Low For Environment Temperature
P0341 Dfc For Camshaft Signal Diagnose - Disturbed Signal
P0340 Dfc For Camshaft Signal Diagnose - No Signal
P0340 Dfc For Camshaftoffset Angle Exceeded
P0336 Dfc For Crankshaftsignal Diagnose -Disturbed Signal
P0335 Dfc For Crankshaft Signal Diagnose - No Signal
P0475 No Load Error On Low Pressure Exhaust Flap
P0475 Over Temperature Error On Low Pressure Exhaust Flap
P0478 Short Circuit To Battery Error On Low Pressure Exhaust Flap
P0477 Short Circuit To Ground Error On Low Pressure Exhaust Flap
P0476 Npl Error Of Low Pressure Exhaust Flap
P0475 Status Line Signal Error Of Low Pressure Exhaust Flap
P0480 No Loaderror For Diofan1 Powerstage
P0480 No Loaderror For Diofan2 Powerstage
P0480 Over Temperature Error For Dio Fan1 Powerstage
P0480 Over Temperatureerrorfor Dio Fan2 Powerstage
P0692 Short Circuit To Battery Error For Dio Fan
P0692 Shortcircuit Tobattery Errorfor Dio Fan
P0691 Short Circuit To Ground Error Of Dio Fan1 Powerstage
P0691 Shortcircuit Toground Errorof Diofan1 Powerstage
P0481 No Load Error For Pwm Fan Powerstage
P0481 Over Temperature Error For Pwm Fan Powerstage
P0694 Short Circuit To Battery Error For Pwm Fan
P0693 Short Circuit To Ground Error Of Pwm Fan Powerstage
P0480 Dfc For Fan Speed Signal Long Period
P0495 Fan Speed Signal Range Check High Fault Path
P0494 Fan Speed Signal Range Check Low Fault Path
Fbc (Fuel Quantity Balancing Control) Correction Quantities At Limitation
P0611 For Injector 1
Fbc (Fuel Quantity Balancing Control) Correction Quantities At Limitation
P0611 For Injector 2
Fbc (Fuel Quantity Balancing Control) Correction Quantities At Limitation
P0611 For Injector 3
Fbc (Fuel Quantity Balancing Control) Correction Quantities At Limitation
P0611 For Injector 4
Fbc (Fuel Quantity Balancing Control) Correction Quantities At Limitation
P0611 For Injector 5

Fbc (Fuel Quantity Balancing Control) Correction Quantities At Limitation

- P0611 For Injector 6
- P1046 Fuel Filter Clogging Sensor Voltage Signal Too High
- P1047 Fuel Filter Clogging Sensor Voltage Signal Too Low
- P1048 Fuel Filter Clogging Fault
- P1049 Fuel Filter Clogging Sensor Signal Unreasonable
- P1032 No Load Error In Powerstage Of Fuel Filter Heating
- P1033 Over Temperature Error In Powerstage Of Fuel Filter Heating
- P1034 Short Circuit To Battery Error In Powerstage Of Fuel Filter Heating
- P1035 Shortcircuit Toground Errorin Powerstage Of Fuelfilter Heating
- P2267 Src High For Water Level Sensor
- P2266 Src Low For Water Level Sensor
- P2269 Water In Fuel Detection Switch Error
- Fuel Tank Below Critical Level Or Danger Of An Air Contaminated Hydraulic
- P0460 System
- P0183 Src High For Fuel Temperature Sensor
- P0182 Src Low For Fuel Temperature Sensor
- P0181 Dfc For Fueltemperature Plausibilitycheck Function
- U1402 Check For Errorfor Caninput Of Gearbox
- P0381 No Loaderror For Glowlamp Powerstage
- P0381 Over Temperatureerrorfor Glow Lamp Powerstage
- P0381 Short Circuit To Battery Error For Glow Lamp Powerstage
- P0381 Short Circuit To Ground Error Of Glow Lamp Powerstage
- P0110 Dfc For Open Load On Power Stage For Intake Air Heater
- P0110 Dfc For Over Temperature On Power Stage For Intake Air Heater
- P0113 Dfc For Short Circuit To Battery On Power Stage For Intake Air Heater
- P0112 Dfc For Short Circuit To Ground On Power Stage For Intake Air Heater
- P100E Number Of Injections Is Limited By Charger Balance Of Booster Capacity
- P100F Number Of Injections Is Limited By Quantity Balance Of High Pressure Pump
- P1010 Numberof Injections Is Limitedbysystem
- P1011 Number Of Injections Is Limited By Runtime
- P0A0F Check Of Engine Starting Problems
- P0087 Check Of Minimum Rail Pressure
- P062B Checkof Missinginjector Adjustmentvalue Programming Of Logicalinjector 1
- P062B Checkof Missinginjector Adjustmentvalue Programming Of Logicalinjector 2
- Check Of Missing Injector Adjustment Value Programming Of Logical Injector
- P062B 3
- P062B Check Of Missing Injector Adjustment Value Programming Of Logical Injector

4
Check Of Missing Injector Adjustment Value Programming Of Logical Injector
P062B 5
Check Of Missing Injector Adjustment Value Programming Of Logical Injector
P062B 6
P062D Short Circuit Of Injection Bank1
P062E Short Circuit Of Injection Bank2
P062B Cy33X Is Defect
P0201 Open Load Of Logical Injector 1
P0203 Open Load Oflogical Injector 2
P0204 Open Load Of Logical Injector 3
P0202 Open Load Oflogical Injector 4
P0205 Open Load Of Logical Injector 5
P0206 Open Load Of Logical Injector 6
P0263 Special Pattern For Special Cases Of Logical Injector 1
P0269 Special Pattern For Special Cases Of Logical Injector 2
P0272 Special Pattern For Special Cases Of Logical Injector 3
P0266 Special Pattern For Special Cases Of Logical Injector 4
P0275 Special Pattern For Special Cases Of Logical Injector 5
P0278 Special Pattern For Special Cases Of Logical Injector 6
P0262 General Short Circuit Logical Injector 1
P0268 General Short Circuitlogical Injector 2
P0271 General Short Circuit Logical Injector 3
P0265 General Short Circuitlogical Injector 4
P0274 General Short Circuit Logical Injector 5
P0277 General Short Circuit Logical Injector 6
P0261 Short Circuitlow Sideto Highside Logical Injector 1
P0267 Short Circuitlow Sideto Highside Logical Injector 2
P0270 Short Circuit Low Side To High Side Logical Injector 3
P0264 Short Circuitlow Sideto Highside Logical Injector 4
P0273 Short Circuit Low Side To High Side Logical Injector 5
P0276 Short Circuit Low Side To High Side Logical Injector 6
P062D Time Out Of Scg Measurement Of Injection Bank 1
P062E Time Out Of Scg Measurement Of Injection Bank 2
P1581 Short Circuit To Gruond Monitoring Test In Bank 1
P1582
P251C Pto Switch Max Error
P0251 Intermittent Contactbetween Ecu And Meun

P0251 Open Load Ofmetering Unitoutput
P0252 Over Teperature Ofdevice Driverofmetering Unit
P0254 Dfc Of A Short Circuit To Battery In The High Side Of The Metering Unit
P0253 Dfc Of A Short Circuit To Ground In The High Side Of The Metering Unit
P0254 Dfc Of A Short Circuit To Battery In The Low Side Of The Metering Unit
P0253 Dfc Of A Short Circuit To Battery In The Low Side Of The Metering Unit
P0254 Signal Range Check High Error Of Metering Unit Ad-Channel
P0253 Signal Range Checklow Errorofmetering Unit Ad-Channel
P0650 No Loaderror For Mil Lamppowerstage
P0650 Over Temperatureerrorfor Mil Lamp Powerstage
P0650 Shortcircuit Tobattery Errorfor Mil Lamp Powerstage
P0650 Short Circuit To Ground Error Of Mil Lamp Powerstage
P251B Pto Switch Min Error
P060B Ecu Internal Diagnositic Error (Moc)
P060B Ecu Internal Diagnositic Error (Moc)
P060B Ecu Internal Diagnositic Error (Moc)
P060C Ecu Internal Diagnositic Error (Moc)
P060C Ecu Internal Diagnositic Error (Moc)
P060C Ecu Internal Diagnositic Error (Moc)
P060C Ecu Internal Diagnositic Error (Moc)
P060C Ecu Internal Diagnositic Error (Moc)
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P060C Ecu Internal Diagnositic Error (Moc)
P060C Ecu Internal Diagnositic Error (Moc)
P060C Ecu Internal Diagnositic Error (Moc)
P1012 Ecuinternal Diagnositic Error (Mof)
P1013 Ecuinternal Diagnositic Error (Mof)
P1014 Ecuinternal Diagnositic Error (Mof)
P1015 Ecuinternal Diagnositic Error (Mof)
P1016 Ecuinternal Diagnositic Error (Mof)
P1017 Ecuinternal Diagnositic Error (Mof)
P1018 Ecuinternal Diagnositic Error (Mof)
P1019 Ecuinternal Diagnositic Error (Mof)
P101A Ecuinternal Diagnositic Error (Mof)

P101A Ecuinternal Diagnositic Error (Mof)
 P101B Ecuinternal Diagnositic Error (Mof)
 P101C Ecuinternal Diagnositic Error (Mof)
 P1045 Ecuinternal Diagnositic Error (Mof)
 P101D Ecuinternal Diagnositic Error (Mof)
 P101E Ecu Internal Diagnositic Error (Mon)
 P101F Ecu Internal Diagnositic Error (Mon)
 P1020 Ecu Internal Diagnositic Error (Mon)
 P1600 Ecu Internal Diagnositic Error (Mon)
 P1601 Ecu Internal Diagnositic Error (Mon)
 P068A Main Relay Disconnected Too Early
 P068B Main Relay Stuck
 P253E Pto Switchnpl Error
 P1021 Obd Fault
 P1022 Obd Fault
 P1023 Obd Fault
 P1024 Obd Fault
 P1025 Obd Fault
 P1026 Obd Fault
 P1027 Obd Fault
 P1028 Obd Fault
 P1029 Obd Fault
 P102A Obd Fault
 P102B Obd Fault
 P102C Obd Fault
 P102D Obd Fault
 P102E Obd Fault
 P102F Obd Fault
 P1030 Obd Fault
 P060C Diagnostic Fault Check To Report
 P060C Diagnostic Fault Check To Report
 P060C Diagnostic Fault Check To Report
 P060C Diagnostic Fault Check To Report
 P250D Maximum Signal Error Of Oil Level Sensor
 P250C Minimum Signal Error Of Oil Level Sensor
 P250B Plausibility Check Of Oil Level Sensor
 P252F Oil Level Sensor Measured Level Above Upper Limit
 P250F Oil Level Sensor Measured Level Below Lower Limit

P160B Dfc For Open Load Error Of Oil Pressure Lamp
P160C Dfc For Over Temperature Error Of Oil Pressure Lamp
P160D Dfc For Short Circuit To Battery Error Of Oil Pressure Lamp
P160E Dfc For Short Circuit To Ground Error Of Oil Pressure Lamp
P0524 Dfc For Minimum Oil Pressure From Digital Sensor
P0521 Dfc For Plausibility Test In Case Of Digital Sensor Of Oil Pressure Sensor
P0523 Maximum Oil Pressure Error In Plausibility Check
P0524 Minimum Oil Pressure Error In Plausibility Check
P0520 Signal Error On Can For Oil Pressure Sensor
P0523 Src Low For Oil Pressure Sensor
P0522 Src Low For Oil Pressure Sensor
P0196 Oil Temperature Too High Plausibility Error
U1403 Signal Error On Can For Oil Temperature
P0198 Srchigh For Oil Temperature
P0197 Src Low For Oil Temperature
P0196 Dfc For Oil Temperature Plausibility Check
P2263 Pcr Positive Governor Deviation Above Limit
P2263 Pcrnegative Governordeviation Below Limit
Not Plausible Fault: Phymod_Trq2Qbas_Map Contains Non Strictly Monotonous
P1031 Q Curves
P006D Plausibility Check For Air Pressure At The Upstream Of Intake Valve Sensor
P006D Plausibility Check For Air Pressure At The Upstream Of Intake Valve Sensor
P0238 Srchigh For Chargerdair Cooler Pressure (Down Stream)
P0237 Srclow For Chargerdair Cooler Pressure (Down Stream)
P2002 Particle Oxidation Catalyst (Poc) Clogged
P2002 Particle Oxidation Catalyst (Poc) Removed
Differential Pressure Between Both Ends Of Particle Oxidation Catalyst
P2455 (Poc) Above Upper Limit
Differential Pressure At Both Ends Of Particle Oxidation Catalyst (Poc)
P2454 Below Lower Limit
Differential Pressure Sensor Signal Of Particle Oxidation Catalyst (Poc)
P2453 Implausible
The Differential Pressure Sensor Signal Of Particle Oxidation Catalyst
U0100 (Poc) From Can Bus Is Faulty
Differential Pressure Sensor Signal Of Particle Oxidation Catalyst (Poc)
P2455 Above Upper Limit
Differential Pressure Sensor Signal Of Particle Oxidation Catalyst (Poc)
P2454 Below Lower Limit

P0089 Pressure Relief Valve Reached Maximun Allowed Opening Count
P0089 Pressure Relief Valve Is Forced To Open; Perform Pressure Increase
P0089 Pressure Relief Valve Is Forced To Open; Perform Pressure Shock
P0089 Pressure Relief Valve Is Open
P1036 Quantity Balance Check If A Successfull Prv Opening Is Ensured
P1037 Averaged Rail Pressure Is Outside The Expected Tolerance Range
P0089 Pressure Relief Valve Reached Maximun Allowed Open Time
P060C Reported Msc-Errors Of A R2S2
P0251 Maximumpositive Deviationof Railpressure Eexceeded
Dfc For High Pressure Pump Delivery Quantity Exceeds The Plausibility Limit
P0251 Of The Volume Flow Balance
Maximum Negative Rail Pressure Deviation With Metering Unit On Lower Limit
P0251 Is Exceeded
P0251 Dfc For Negative Governor Deviation At Zero Delivery (Second Stage)
P0087 Minimum Rail Pressureexceeded
P0088 Maximumrail Pressure Exceeded
P0088 Dfc For Maximum Rail Pressure (Second Stage)
P1050 Error Detection By Metering Unit Set Value In Overrun
P0251 Plausibility Check Of The Volume Flow Of The Metering Unit At Low Idle
P0194 Railpressure Raw Valueis Intermittent
P0191 Railpressure Raw Valueis Above Maximum Offset
P0191 Railpressure Raw Valueis Below Minimum Offset
P0088 Monitoring For Maximum Rail Pressure In Limp Home Mode With Prv
P0088 Monitoring For Minimum Injection Quantity During Limp Home Mode With Prv
P0088 Monitoring For High Fuel Temperature During Limp Home Mode With Prv
P0193 Rail Pressure Sensor Voltage Above Upper Limit
P0192 Railpressure Sensorvoltage Below Lower Limit
U1404 Pto Switch Signal Error (Com_Stptosw=0X0E When Ptoswt_Swtsig_C = 1)
P0123 Signal Range Check High For App1
P0223 Signal Range Check High For App2
P1501 Signal Range Check High For Rmtapp1
P1502 Signal Range Check High For Rmtapp2
P0122 Signal Range Check Low For App1
P0222 Signal Range Check Low For App2
P1503 Signal Range Check Low For Rmtapp1
P1504 Signal Range Check Low For Rmtapp2
P0643 Error Sensorsupplies 1
P0653 Error Sensorsupplies 2

P0699 Error Sensor Supplies 3
P1602 Monitoring Of 12V Sensor Supply 1 Src_High Error
P1603 Monitoring Of 12V Sensor Supply 1 Src_Low Error
P1602 Monitoring Of 12V Sensor Supply Src_High Error
P1603 Monitoring Of 12V Sensor Supply Src_Low Error
P060C Timer Error Of Stop Counter
P160F Dfc For Open Load Error On The Output Powerstage For Stop Lamp
P1610 Dfc For Over Temperature Error On The Output Powerstage For Stop Lamp
Dfc For Short Circuit To Battery Error On The Output Powerstage For Stop
P1611 Lamp
Dfc For Short Circuit To Ground Error On The Output Powerstage For Stop
P1612 Lamp
P0615 No Loaderror For Starter
P0615 Over Temperature Error On Ecu Powerstage For Starter
P0617 Short Circuit To Battery Error For Starter
P0616 Short Circuit To Ground Error Of Starter Output
P1604 No Load Error For Svs Lamp Powerstage
P1605 Over Temperature Error For Svs Lamp Powerstage
P1606 Shortcircuit Tobattery Errorofsys Lamp Powerstage
P1607 Short Circuit To Ground Error Of Svs Lampe Powerstage
P1608 Softwareresets 0
P1609 Softwareresets 1
P160A Softwareresets 2
P2135 Plausibility Check Between App1 And App2
Diagnostic Fault Check Of Synchronism For Double Potentiometer And Low Idle
P2135 Switch (Lis)
Diagnostic Fault Check Of Synchronism Of Both Remote Acceleration Pedal
P1505 Signals
P2530 Defective T50 Switch
P0113 Srchigh For Air Temperaturesensor Of Hfm
P0112 Src Low For Air Temperature Sensor Of Hfm
P0113 Srchigh For Perioddduration Ofair Temperaturesensor Of Hfm
P0112 Srclow For Perioddduration Ofair Temperaturesensor Of Hfm
P0099 Signal Error For Charger Air Cooler Downstream Temperature
P0098 Src High For Charger Air Cooler Downstream Temperature
P0097 Src Low For Charger Air Cooler Downstream Temperature
P0096 Chargerd Air Cooler Temperature Down Stream Plausibility Check Error
P0669 Src High For Ecu Temperature Sensor

P0668 Src Low For Ecu Temperature Sensor

P2100 Current Limitedfor Throttlevalve

P2108 Dfc For Valve Drift At Closed Position Of Tva Valve

P2108 Dfc For Valve Drift Atopen Positionof Tva Valve

P2108 Dfc For Rangedrift Of Tva Valve

P2112 Throttle Valve Governordeviation In Cold Start

P2112 Permanent Governordeviationfor Throttle Valve

P2111 Permanent Governordeviationfor Throttle Valve

P2112 Jammed Valve Closed Of Throttle Valve

P2111 Jammed Valve Open Ofthrottle Valve

P2108 Dfc For Long Time Valve Drift At Closed Position Of Tva Valve

P2108 Dfc For Longtime Valve Drift At Open Position Oftva Valve

P2100 No Load Error For Powerstage On Cj945 For Throttle Valve

P2101 Over Temperature Error On Cj945 For Throttle Valve

P2101 Dfc For Throttlevalve Position Sensor Physical Srchigh

P2101 Dfc For Throttle Valve Position Sensor Physical Src Low

P2103 Short Circuit To Battery Error For Powerstage On Cj945 For Throttle Valve

P2102 Short Circuit To Ground Error For Powerstage On Cj945 For Throttle Valve

P2108 Dfc For Short Time Valve Drift Atclosed Position Oftva Valve

P2108 Dfc For Short Time Valve Drift Atopen Position Oftva Valve

Throttle Valve Actuator (Tva) Position Feedback Sensor Value Above Upper

P2622 Limit (Analog Signal)

Throttle Valve Actuator (Tva) Position Feedback Sensor Value Below Lower

P2621 Limit (Analog Signal)

P2620 Fault Code For Temporaryerrors For Throttle Valve

Diagnostic Fault Check For Src High In Engine Inlet Valve Air Temperature

P0113 Upstream Sensor

Diagnostic Fault Check For Src Low In Engine Inlet Valve Air Temperature

P0112 Upstream Sensor

P0045 No Load Error For Turbo Charger Powerstage

P0049 Error Path For Monitoring Of Turbocharger Overspeed

P0045 Over Temperature Error For Turbo Charger Powerstage

P0048 Short Circuit To Battery Error Of Turbo Charger Powerstage

P0047 Booster Control Circuit Short To Ground

U1405 Signalerror For Vehicle Speed Over Can

P0279 Maximum Threshold Error For Vehicle Speed

P2162 Npl Error For Vehicle Speed Signal Over Tachomter Or Hardware Sensor

P0501 Npl Error For Vehicle Speed Signal Over Tachomter Or Hardware Sensor

Signal Level Low Error For Vehicle Speed Signal Over Tachomter Or Hardware
P0503 Sensor
Signal Level Low Error For Vehicle Speed Signal Over Tachomter Or Hardware
P0502 Sensor
P2158 Vehicle Speed Signal From Instrument Panel Above Upper Limit
P2160 Vehicle Speed Signal From Instrument Panel Below Lower Limit
P2161 The Vehicle Speed Signal From Instrument Panel Is Faulty
P1613 No Load Error Of Warning Lamp
P1614 Over Temperature Error Of Warning Lamp
P1615 Short Circuit To Battery Error Of Warning Lamp
P1616 Short Circuit To Ground Error Of Warning Lamp

1.1.11.2.2 YUNNEI D30 TCID CHINA V SCR

P0420 Nox Emission Exceeded 7.0G\3.5G/Kw.H
P203F Urea Level Empty (<1%)
P3014 Air Solenoid Valve Short Circuit To Power Or Open Circuit
P3015 Air Solenoid Valve Short Circuit To Ground
P042D Catalyst Upstream Temperature Sensor Above Upper Limit (Open Circuit Fault)
Catalyst Upstream Temperature Sensor Below Lower Limit (Short Circuit To
P042C Ground Fault)
Catalyst Downstream Temperature Sensor Above Upper Limit (Open Circuit
P0428 Fault)
Catalyst Downstream Temperature Sensor Below Lower Limit (Short Circuit To
P0427 Ground Fault)
P3005 Metering Pump Short Circuit
P3006 Metering Pump Open Circuit
P2039 Adblue Or Air Flow Low
P3083 Fluid Return Pipe Clogged
P3084 Injection Pipe Clogged
P1405 Can Communication Timeout
P2201 Nox Sensor Rationality Fault
P203D Urea Tank Level Sensor Above Upper Limit
P203C Urea Tank Level Sensor Below Lower Limit
P2200 Nox Sensor Communication Fault
P0073 Ambient Temperature Sensor Signal Above Upper Limit
P0072 Ambient Temperature Sensor Signal Below Lower Limit

P0563 System Voltage Too High
P0562 System Voltage Too Low
P3020 System Heating And Thawing Failed
P3066 Urea Consumption Unreasonable
P2062 Supply Pump Electronic Fault
P14B8 Supply Pump Mechanical Fault
Air-Assisted System Metering Pump/Non-Air-Assisted System Metering Nozzle
P14B3 Internal Mechanical Fault
P0426 Exhaust Temperature Sensor Rationality Fault
P205D Urea Tank Temperature Sensor Above Upper Limit
P205C Urea Tank Temperature Sensor Below Lower Limit
P3029 Pump Temperature Above Upper Limit/Below Lower Limit
P3019 Urea Tank Heating Water Valve Short Circuit
P3016 Urea Tank Heating Water Valve Open Circuit
P3036 Pump Heater Short Circuit
P3033 Pump Heater Open Circuit
P3031 Suction Line Heater Short Circuit
P3028 Suction Line Heater Open Circuit
P3026 Injection Line Heater Short Circuit
P3024 Injection Line Heater Open Circuit
P3022 Return Pipe Heater Short Circuit To Ground Or Open Circuit
P3023 Return Pipe Heater Short Circuit To Power
Urea Level Pwm I/O Output (For Instrument Panel) Short Circuit/Open
P0656 Circuit\Urea Tank Level Indicator Drive Circuit Shorted/Open
P0650 Mil Drive Circuit Shorted/Open
P065D Diag Indicator Drive Circuit Shorted/Open
P204F Urea Level Low (<10%)
Cooling Water Temperature Unknown/Atmospheric Pressure
U0100 Unknown/Atmospheric Temperature Unknown

1.1.12 Quan Chai System

1.1.12.1 Quan Chai 4B1 EURO V Diesel Engine

P0538 A/C Evaporator Temperature Sensor Signal Terminal Voltage Above Upper Limit
P0537 A/C Evaporator Temperature Sensor Signal Terminal Voltage Below Lower Limit

P0100 Battery Voltageerrorof Hfm Sensor
Low Idle Correction Factor Of The Drift Compensation Function Exceed The

P1100 Maximum Drift Limit
Load Correction Factor Of The Drift Compensation Function Exceed The

P1120 Maximum Drift Limit

P1121 Air Flow Through Air Flow Meter (Hfm) Above Upper Limit

P1122 Air Flow Through Air Flow Meter (Hfm) Below Lower Limit

P0103 Sensitivity Drift Higherrorfor Hfmsensor

P0102 Sensitivity Drift Error Low For Hfm Sensor

P0101 Hardware Errordetectionfor Hfm Sensor

P010D Src High Error For Raw Value In Hfm Sensor

P010C Src low Errorfor Rawvalue In Hfm Sensor

P0533 Srchigh For Ac Coolantpressure Voltage Signal

P0532 Src low For Ac Coolantpressure Voltage Signal

P1512 Srchigh For Ac Coolantpressure Duty Cycle Signal

P1510 Src low For Ac Coolantpressure Duty Cycle Signal

P1513 Srchigh For Ac Coolantpressure Period Signal

P1511 Src low For Ac Coolantpressure Period Signal

P0645 No Load Error On Power Stage For The Compressor

P1640 Over Temperatureerroron Powerstagefor The Compressor

P2522 No Load Error On Power Stage For The Reduce Torque Instruction Compressor
Over Temperatureerroron Powerstagefor The Reducetorque Instruction

P1514 Compressor
Short Circuit To Battery Error On Power Stage For The Reduce Torque

P1517 Instruction Compressor
Short Circuit To Ground Error On Power Stage For The Reduce Torque

P1516 Instruction Compressor

P0647 Short Circuit To Battery Error On Power Stage For The Compressor

P0646 Short Circuit To Ground Error On Power Stage For The Compressor

P1515 Air Compressorswitch Plausibilityerrorfor Caninput

P2519 Air Compressorswitch Signalerrorfor Caninput

P103D Positive Airtcl Governor Deviation Abovelimit For Regeneration

P103E Negative Airtcl Governor Deviation Belowlimit For Regeneration

P0402 Air Control System Governor Deviation Above Limit

P0401 Air Control System Governor Deviation Below Limit

P1415 Error Path For Too Longtime Spent In Transtion Modern Tonrm For Aircontrol

P1416 Timeof Airsystem To Closedlooptoo Long Error

P169F Dfc For Grid Heater Always Switched On

Intake Air Heating Grid Control Mechanical Fault (Temperature Rose Too Slow
P16A0 After Heating Control Activated)
P0563 Src High For Battery Voltage Sensor
P0562 Src Low For Battery Voltage Sensor
P0504 Plausibility Check For Brake
P0571 Sig Error For Brake
P0119 Defect Fault Checkfor Coolant Temperature Absolute Plausibilitytest
P0116 Defect Fault Check For Coolant Temperature Dynamic Plausibility Test
P1110 Physical Rangecheck High For Coolant Temperaturesignal
P1111 Physical Rangecheck Low For Coolant Temperaturesignal
P0118 Src High For Engine Coolant Temperature (Down Stream)
P0117 Src Low For Engine Coolant Temperature (Down Stream)
P1700 Plausibilitycheck For Clutch
P0704 Cansignal Error For Clutch
P1245 Working Limitation Information
P110A Performance Limiter For Level0.
P110B Performance Limiter For Level1.
P110C Performance Limiter For Level2.
P110D Performance Limiter For Level3.
P110E Performance Limiter Is Active
P1680 No Loaderror For Cruisecontrol Indicate Lamp Powerstage
P1681 Over Temperatureerrorfor Cruisecontrol Indicate Lamppowerstage
P1682 Shortcircuit Tobattery Errorfor Cruise Control Indicate Lamppowerstage
P1683 Shortcircuit Toground Errorfor Cruise Control Indicate Lamppowerstage
Fault Path Which Indicates The Invalid Combination Of Cruise Control Keys
P0579 Pressed
P0128 Dfc-Id Of Cttto Beused With Dsm
P0607 Spi/Com-Errors Ofthe Cy327
P150A Powerstage Diagnosis Could Be Disabled Due To High Battery Voltage
P150B Powerstage Diagnosis Could Be Disabled Due To Low Battery Voltage
P022A Open Load Errorfor Ecbvlv
P024A Over Temperature Error On Power Stage For Egr Cooler Bypassvalve
P022F Egr Cooler Bypass Position Signal Above Upper Limit
P022E Egr Cooler Bypass Position Signal Below Lower Limit
P022C Shortcircuit Tobattery Errorofecb Valve
P022B Shortcircuit Toground Errorof Ecb Valve
P024F Egr Cooler Bypass Position Sensor Voltage Signal Above Upper Limit
P024E Egr Cooler Bypass Position Sensor Voltage Signal Below Lower Limit

P1650 Eep Readerror Based Onthe Errorfor More Blocks
 P1651 Eep Read Error Based On The Error For More Blocks
 P1652 Eep Write Error Based On The Error For One Block
 P1410 Egr Valve Permanent Positive Governor Deviation
 P1411 Egr Valvepermanent Negative Governor Deviation
 P213A Open Loaderror For EgrvlvH-Bridge Powerstage
 P213B Shortcircuit Over Loaderrorfor H-Bridge Egrvlvpowerstage
 P1030 Temperature Dependent Over Current Error For Egrvlv H-Bridgepowerstage
 P2142 Shortcircuit Tobattery Onegr H-Bridge Out1 Error
 P213D Shortcircuit Tobattery Onegr H-Bridge Out2 Error
 P2141 Shortcircuit Toground On Egrh-Bridge Out1 Error
 P213C Shortcircuit Toground On Egrh-Bridge Out2 Error
 P1031 Shortcircuit Over Loaderrorfor H-Bridge Egrvlvpowerstage
 P1032 Temperature Dependent Over Current Error For Egrvlv H-Bridgepowerstage
 P1033 Under Voltage Errorfor EgrvlvH-Bridge Powerstage
 P1034 Jammed Egr Valve In Closed State
 P1035 Jammed Egrvalve In Open State
 P1036 Exhaust Gas Recirculation (Egr) Valve Long Time Drifted Too Large
 P10B2 Egr Valve Deviation Self Learn Failed
 P1037 Egr Valve Stuck During Deviation Self Learn
 P103C Egr Valve Self Learned Deviation Rationality Fault
 P0409 No Load Error For Egrvlv
 P0403 Over Temperature Error For Egr Valve Powerstage
 Exhaust Gas Recirculation (Egr) Valve Position Sensor Physical Value Above
 P1038 Upper Limit
 Exhaust Gas Recirculation (Egr) Valve Position Sensor Physical Value Below
 P1039 Lower Limit
 P0490 Short Circuit To Battery Error Of Egr Valve
 P0489 Short Circuit To Ground Error Of Egr Valve
 P0404 Egr Valve Offset Out Of Limit
 P0406 Srchigh For Evrvlposition Sensor Value
 P0405 Srclow For Egrvlvposition Sensor Value
 P1610 Injection Cutoff Demand (Ico)For Shut Off Coordinator
 P0219 Overspeed Detectionin Component Engine Protection
 P0215 Indicates If Atmfw Resonance Shutoff Condition Is Active
 P0737 No Loaderror Onthe Engine Speed Output
 P1710 Engine Components Overheat Protection
 P0739 Shortcircuit Tobattery Erroron Theengine Speed Output

P0738 Shortcircuit Toground Erroron The Engine Speed Output
P0070 Dfc For Environment Temperature Plausibility Check Function
P102C Ambient Temperature Above Upper Limit
P102D Ambient Temperature Below Lower Limit
P0073 Src High For Environment Temperature
P0072 Src Low For Environment Temperature
P0339 Dfc For Camshaft Signal Diagnose - Disturbed Signal
P0340 Dfc For Camshaft Signal Diagnose - No Signal
P0341 Dfc For Camshaft Offset Angle Exceeded
P0336 Dfc For Crankshaftsignal Diagnose -Disturbed Signal
P0335 Dfc For Crankshaft Signal Diagnose - No Signal
Dfc Reportingerrorstate On Comparing Energisingtime To Maxvalue Logical
P020A Injector 1
Dfc Reportingerrorstate On Comparing Energisingtime To Maxvalue Logical
P020C Injector 2
Dfc Reportingerrorstate On Comparing Energisingtime To Maxvalue Logical
P020D Injector 3
Dfc Reportingerrorstate On Comparing Energisingtime To Maxvalue Logical
P020B Injector 4
Dfc Reportingerrorstate On Comparing Energisingtime To Minvalue Logical
P1210 Injector 1
Dfc Reportingerrorstate On Comparing Energisingtime To Minvalue Logical
P1211 Injector 2
Dfc Reportingerrorstate On Comparing Energisingtime To Minvalue Logical
P1212 Injector 3
Dfc Reportingerrorstate On Comparing Energisingtime To Minvalue Logical
P1213 Injector 4
P1418 No Loaderror For Exhaust Flap Lamp Actuator Powerstage
P1419 Over Temperature Errorfor Exhaust Flap Lampactuator Powerstage
P141A Shortcircuit Tobattery Errorfor Exhaust Flap Lampactuator Powerstage
P141B Shortcircuit Toground Errorfor Exhaust Flap Lampactuator Powerstage
P141C No Loaderror For Exhaust Flap Relay Actuator Powerstage
P141D Over Temperature Errorfor Exhaust Flap Relay Actuatorpowerstage
P141E Shortcircuit Tobattery Errorfor Exhaust Flap Relay Actuatorpowerstage
P141F Shortcircuit Toground Errorfor Exhaust Flap Relay Actuatorpowerstage
P0480 Switch Type Fan Control Circuit Open
P0484 Switch Type Fan Control Drive Chip In The Ecu Overheated
P0691 Switch Type Fan Control Circuit Shorted To Power

P0692 Switch Type Fan Control Circuit Shorted To Ground
P1400 No Load Error For Pwm Fan Powerstage
P1401 Over Temperature Error For Pwm Fan Powerstage
P1402 Short Circuit To Battery Error For Pwm Fan
P1403 Short Circuit To Ground Error Of Pwm Fan Powerstage
P1623 No Loaderror For Fuel Consumptiondisplay Signal Component
P1624 Over Temperature Errorfor Fuel Consumption Display Signal Component
P1621 Shortcircuit Tobattery Errorfor Fuel Consumption Display Signal Component
P1622 Shortcircuit Toground Errorfor Fuel Consumption Display Signal Component
P1020 No Load Error In Powerstage Of Fuel Filter Heating
P16A1 Over Temperature Error In Powerstage Of Fuel Filter Heating
P1021 Short Circuit To Battery Error In Powerstage Of Fuel Filter Heating
P1022 Shortcircuit Toground Errorin Powerstage Of Fuelfilter Heating
Fuel Tank Below Critical Level Or Danger Of An Air Contaminated Hydraulic
P250F System
P2264 Fuel/Water Separator Indicator Lamp Drive Circuit Open
P2268 Over Temperatureerrorfor Water In Fuel Indicate Lamppowerstage
P2267 Shortcircuit Tobattery Errorfor Water In Fuel Indicatelamp Powerstage
P2266 Shortcircuit Toground Errorof Waterin Fuel Indicate Lamppowerstage
P2269 Max Thresholderrorfor The Sensor Self Test
P2265 Errorto Report Detectionofwater In Fuel
P0168 Physical Rangecheck High For Fuel Temperaturesensor Signal
P1130 Physical Rangecheck Low For Fuel Temperaturesensor Signal
P0183 Srchigh For Fueltemperature Sensor
P0182 Src Low For Fuel Temperature Sensor
P160A No Loaderror For Glowlamp Powerstage
P160B Over Temperatureerrorfor Glow Lamp Powerstage
P1608 Shortcircuit Tobattery Errorfor Glow Lamp Powerstage
P1609 Short Circuit To Ground Error Of Glow Lamp Powerstage
Relay Failure (Rf),Glow Plugfailure (Gf),Short Circuit/Overcurrent (Sc)
P0382 Errors Of Gcu-R
P0380 Sticking Relay (Rs), Short Circuit/Over Current (Sc) Errors Ofgcu-R
P0670 No Loaderror For Glowplug Powerstage
P160C Over Temperatureerrorfor Glow Plug Lamp Powerstage
P0384 Glow Plug Drive Circuit Short To Power
P0383 Glow Plug Drive Circuit Short To Ground
P16A2 Intake Air Heating Grid Drive Circuit (0) Open
P16A3 Intake Air Heating Grid Drive Circuit (1) Open

Electronic Control Unit (Ecu) Internal Intake Air Heating Grid Drive Chip

P1689 (0) Overheated

Electronic Control Unit (Ecu) Internal Intake Air Heating Grid Drive Chip

P16A4 (1) Overheated

P16A5 Intake Air Heating Grid Drive Circuit (0) Shorted To Power

P16A6 Intake Air Heating Grid Drive Circuit (1) Shorted To Power

P16A7 Intake Air Heating Grid Drive Circuit (0) Shorted To Ground

P16A8 Intake Air Heating Grid Drive Circuit (1) Shorted To Ground

P1645 Number Of Injections Is Limited By Charger Balance Of Booster Capacity

P1646 Number Of Injections Is Limited By Quantity Balance Of High Pressure Pump

P0611 Numberof Injections Is Limitedbysystem

P1647 Number Of Injections Is Limited By Runtime

P10B3 Problems Withrail Pressurebuild Up

P10B4 Check Of Engine Starting Problems

P0201 Open Load Of Logical Injector 1

P0203 Open Load Oflogical Injector 2

P0204 Open Load Of Logical Injector 3

P0202 Open Load Of Logical Injector 4

P2146 Short Circuit Of Injection Bank1

P121A General Short Circuit Logical Injector 1

P121B General Short Circuitlogical Injector 2

P121C General Short Circuit Logical Injector 3

P121D General Short Circuitlogical Injector 4

P1200 Short Circuitlow Sideto Highside Logical Injector 1

P1201 Short Circuitlow Sideto Highside Logical Injector 2

P1202 Short Circuit Low Side To High Side Logical Injector 3

P1203 Short Circuitlow Sideto Highside Logical Injector 4

P0263 Checkof Missinginjector Adjustmentvalue Programming Of Logicalinjector 1

P0269 Checkof Missinginjector Adjustmentvalue Programming Of Logicalinjector 2

Check Of Missing Injector Adjustment Value Programming Of Logical Injector

P0272 3

Check Of Missing Injector Adjustment Value Programming Of Logical Injector

P0266 4

P062F Error Duringread/Write Operation

P251C Pto Switchmax Error

P0255 Intermittent Contactbetween Ecu And Meun

P0251 Open Load Ofmetering Unitoutput

P0252 Over Teperature Ofdevice Driverofmetering Unit

P0254 Short Circuitto Battery Ofmetering Unit Output
P0253 Short Circuitto Ground Ofmetering Unit Output
P025D Signal Range Check High Error Of Metering Unit Ad-Channel
P025C Signal Range Checklow Errorofmetering Unit Ad-Channel
P0650 No Load Error For Mil Lamp Powerstage
P164C Over Temperatureerrorfor Mil Lamp Powerstage
P164D Shortcircuit Tobattery Errorfor Mil Lamp Powerstage
P164E Short Circuit To Ground Error Of Mil Lamp Powerstage
P251B Pto Switch Min Error
P1660 Ecu Internal Diagnositic Error (Moc)
P1662 Ecu Internal Diagnositic Error (Moc)
P1663 Ecu Internal Diagnositic Error (Moc)
P1664 Ecu Internal Diagnositic Error (Moc)
P1665 Ecu Internal Diagnositic Error (Moc)
P1666 Ecu Internal Diagnositic Error (Moc)
P1667 Ecu Internal Diagnositic Error (Moc)
P1672 Ecu Internal Diagnositic Error (Moc)
P1668 Ecu Internal Diagnositic Error (Moc)
P1614 Ecu Internal Diagnositic Error (Moc)
P1617 Ecu Internal Diagnositic Error (Moc)
P1618 Ecu Internal Diagnositic Error (Moc)
P1615 Ecu Internal Diagnositic Error (Moc)
P1673 Ecu Internal Diagnositic Error (Moc)
P166A Ecu Internal Diagnositic Error (Moc)
P060A Ecu Internal Diagnositic Error (Moc)
P060D Ecuinternal Diagnositic Error (Mof)
P061C Ecuinternal Diagnositic Error (Mof)
P166B Ecuinternal Diagnositic Error (Mof)
P166C Ecuinternal Diagnositic Error (Mof)
P166D Ecuinternal Diagnositic Error (Mof)
P166E Ecuinternal Diagnositic Error (Mof)
P166F Ecuinternal Diagnositic Error (Mof)
P1674 Ecuinternal Diagnositic Error (Mof)
P1613 Ecuinternal Diagnositic Error (Mof)
P1670 Ecuinternal Diagnositic Error (Mof)
P1671 Ecuinternal Diagnositic Error (Mof)
P061B Ecuinternal Diagnositic Error (Mof)
P167C Ecu Internal Diagnositic Error (Mon)

P061D Ecu Internal Diagnositic Error (Mon)
P062B Ecu Internal Diagnositic Error (Mon)
P1637 Ecu Internal Diagnositic Error (Mon)
P1638 Ecu Internal Diagnositic Error (Mon)
P0686 Main Relay Disconnected Too Early
P0687 Main Relay Stuck
P251A Pto Switchnpl Error
P1061 Obd Fault
P1062 Obd Fault
P1063 Obd Fault
P1064 Obd Fault
P1065 Obd Fault
P1066 Obd Fault
P1067 Obd Fault
P1060 Obd Fault
P1068 Obd Fault
P1069 Obd Fault
P106A Obd Fault
P106B Obd Fault
P106C Obd Fault
P106D Obd Fault
P106E Obd Fault
P106F Obd Fault
P0521 Maximum Oil Pressure Error In Plausibility Check
P0524 Minimum Oil Pressure Error In Plausibility Check
P0520 Signal Error On Can For Oil Pressure Sensor
P0523 Src High For Oil Pressure Sensor
P0522 Src High For Oil Pressure Sensor
P0196 Dfc For Oil Temperature Plausibility Check
P113A Oil Temperature Too High Plausibility Error
P113B Physical Rangecheck High For Oil Temperature
P113C Physical Rangecheck Low For Oil Temperature
P0195 Signal Error On Can For Oil Temperature
P0198 Srchigh For Oil Temperature
P0197 Src Low For Oil Temperature
P0069 Plausibilitydefect Between Cacdsp And Env
Physical Rangecheck High For Chargerd Air Cooler Pressure (Down Stream)
P1220 Signal

Physical Rangecheck Low For Chargerdair Cooler Pressure (Down Stream)

P1221 Signal

P0238 Srchigh For Chargerdair Cooler Pressure (Down Stream)

P0237 Srclow For Chargerdair Cooler Pressure (Down Stream)

P0299 Pcr Positive Governor Deviation Above Limit

P0234 Pcrnegative Governordeviation Below Limit

P102A Physical Rangecheck High For Environment Pressure Signal

P102B Physical Rangecheck Low For Environment Pressure Signal

P2229 Srchigh For Environment Pressure

P2228 Src Low For Environment Pressure

P10B5 Ambient Air Pressure Sensor Sensor Error Bycomponent Self Diagnosis
Not Plausible Fault: Phymod_Trq2Qbas_Map Contains Non Strictly Monotonus

P1008 Q Curves

P1070 To Checkfor The Particle Oxidationcatalyst Has Been Blocked
To Checkfor The Particle Oxidationcatalyst Has Been Removedfrom Exhaust

P2002 Path
Physical Rangecheck Low For Particle Oxidation

P146A Catalystdifferentialpressure
Physical Rangecheck Low For Particle Oxidation

P146B Catalystdifferentialpressure

P146C Dfc For Canmessage

P146D Dfc For Faultypoc Canmessage

P2455 Srchigh For Particulate Oxidationcatalyst Differentialpressure

P2454 Srclow For Particulateoxidation Catalyst Differentialpressure

P1001 Pressure Relief Valve Reached Maximun Allowed Opening Count

P1007 Pressure Relief Valve Is Forced To Open; Perform Pressure Increase

P1006 Pressure Relief Valve Is Forced To Open; Perform Pressure Shock

P1005 Pressure Relief Valve Is Open

P1004 Quantity Balance Check If A Successfull Prv Opening Is Ensured

P1003 Averaged Rail Pressure Is Outside The Expected Tolerance Range

P1002 Pressure Relief Valve Reached Maximun Allowed Open Time

P0627 Open Load Ofpre-Supply Pumpoutput

P062A Over Temperatureerroron Ecu Powerstage For Pre Supplypump

P0629 Short Circuitto Battery Ofpre-Supply Pump Output

P0628 Short Circuitto Ground Ofpre-Supply Pump Output

P1011 Maximumpositive Deviationof Railpressure Eexceeded
Maximumpositive Deviationof Railpressure Eexceeded Concerning Setflow

P1012 Offuel

Maximum Negative Rail Pressure Deviation With Metering Unit On Lower Limit

P1013 Is Exceeded
P0087 Minimum Rail Pressureexceeded
P0088 Maximumrail Pressure Exceeded
P2290 Checkof Minimum Railpressure
P00BE Railpressure Raw Valueis Intermittent
P0191 Railpressure Raw Valueis Above Maximum Offset
P0194 Rail Pressure Raw Value Is Below Minimum Offset
P0193 Rail Pressure Sensor Voltage Above Upper Limit
P0192 Rail Pressure Sensor Voltage Below Lower Limit
P1643 Cyclic Signal Checkfor Security
U0117 Pto Switchsignal Error (Com_Stptosw=0X0Ewhen Ptoswt_Swtsig_C= 1)
P0123 Signal Range Check High For Appl
P0223 Signal Range Check High For App2
P0122 Signal Range Check Low For Appl
P0222 Signal Range Check Low For App2
P0643 Error Sensorsupplies 1
P0653 Error Sensorsupplies 2
P0699 Error Sensor Supplies 3
P165A Invalidvariant Dataset Identifiererror
P165B Variantdataset Switchingerror
P165C Eepromread Errorofthe Code-Word
P161B No Load Error For Svs Lamp Powerstage
P161C Over Temperature Error For Svs Lamp Powerstage
P1619 Shortcircuit Tobattery Errorofsvs Lamp Powerstage
P161A Short Circuit To Ground Error Of Svs Lampe Powerstage
P161D Softwareresets 0
P161E Softwareresets 1
P161F Softwareresets 2
P2135 Plausibility Check Between Appl And App2
P1102 Srchigh For Air Temperaturesensor Of Hfm
P1103 Srclow For Air Temperaturesensor Of Hfm
P1106 Srchigh For Perioddduration Ofair Temperaturesensor Of Hfm
P1107 Srclow For Perioddduration Ofair Temperaturesensor Of Hfm
P0127 Physical Rangecheck High For Signal Ofair Temperaturesensor Of Hfm
P1123 Physical Rangecheck Low For Signal Ofair Temperaturesensor Of Hfm
Air Flow Meter (Hfm) Intake Air Temperature Sensor Voltage Signal Above
P0113 Upper Limit

Air Flow Meter (Hfm) Intake Air Temperature Sensor Voltage Signal Below
P0112 Lower Limit
Physical Rangecheck High For Signal Of Intake Airtemperaturesensor (After
P103A Intercooler)
Physical Rangecheck Low For Signal Of Intake Airtemperaturesensor (After
P103B Intercooler)
P0098 Src High For Charger Air Cooler Downstream Temperature
P0097 Src Low For Charger Air Cooler Downstream Temperature
P1601 No Loaderror For Coolanttemperature Display Powerstage
P1602 Over Temperatureerroron Ecu Powerstage Coolanttemperature Pwm Output
P1603 Shortcircuit Tobattery Errorofcoolant Tempeture Display Powerstage
P1604 Shortcircuit Toground Errorof Coolant Tempeture Display Powerstage
P1639 Physical Rangecheck High For Signal Of Ecu Temperature Sensor
P163A Physical Rangecheck Low For Ecu Temperature Sensor
P0669 Src High For Ecu Temperature Sensor
P0668 Src Low For Ecu Temperature Sensor
P16E5 Smp480 Ecutemperaturesensor Plausibility Error
Throttle Valve (Tva) Controller Had Permanent Deviation And Frozen Valve
P2072 Body
P2100 Open Loaderror For H-Bridgeofthrottle Valve
P2101 Over Current Errorfor H-Bridgeof Throttle Valve
P1040 Over Temperatureerrorfor H-Bridgeof Throttle Valve
P2103 Shortcircuit Tobattery Onout1 Errorfor H-Bridgeof Throttlevalve
P1046 Shortcircuit Tobattery Onout2 Errorfor H-Bridgeof Throttlevalve
P2102 Shortcircuit Toground On Out1Errorfor H-Bridgeof Throttlevalve
P1044 Shortcircuit Toground On Out2Errorfor H-Bridgeof Throttlevalve
P1041 Shortcircuit Over Loaderrorfor H-Bridge Of Throttle Valve
P1042 Temperature Dependent Over Current Error For H-Bridgeof Throttle Valve
P1045 Under Voltage Errorfor H-Bridgeof Throttle Valve
P1043 Throttle Valve (Tva) Self-Learning Long-Term Offset
P061F 0X06, 0X1F
P0487 No Load Error For Powerstage On Cj945 For Throttle Valve
P0488 Over Temperature Error On Cj945 For Throttle Valve
P2173 Permanent Governor Deviation For Throttle Valve
P2175 Permanent Governordeviationfor Throttle Valve
P1049 Throttle Valve (Tva) Opening Position Physical Value Above Upper Limit
P1047 Throttle Valve (Tva) Opening Physical Value Below Lower Limit
P104A Short Circuit To Battery Error For Powerstage On Cj945 For Throttle Valve

P1048 Short Circuit To Ground Error For Powerstage On Cj945 For Throttle Valve
P0068 Throttle Valve (Tva) Self Learning Short-Term Offset
P2622 Srchigh For Throttlevalve Position Sensor Value
P2621 Srclow For Throttlevalve Positionsensor Value
Throttle Valve (Tva) Position Feedback Sensor Value Implausible
P104D (Intelligent Tva)
Throttle Valve (Tva) Position Feedback Sensor Signal Error (Intelligent
P104E Tva)
P122A Permanent Positivegovernordeviation For Turbo Charger
P122B Permanent Negative Governordeviationfor Turbo Charger
P2562 Open Loaderror For Powerstageof Turbo Charger
P1522 Over Current Errorfor H-Bridgeof Turbo Charger
P1523 Over Temperatureerrorfor H-Bridgeof Turbo Charger
P1528 Shortcircuit Tobattery Onout1 Errorfor H-Bridgeof Turbocharger
P1529 Shortcircuit Tobattery Onout2 Errorfor H-Bridgeof Turbocharger
P1526 Shortcircuit Toground On Out1Errorfor H-Bridgeof Turbocharger
P1527 Shortcircuit Toground On Out2Errorfor H-Bridgeof Turbocharger
P1520 Shortcircuit Over Loaderrorfor H-Bridge Of Turbo Charger
P1524 Temperature Dependent Over Current Error For H-Bridgeof Turbocharger
P1521 Under Voltage Errorfor H-Bridgeof Turbo Charger
P2563 Controlled Turbocharger Valve Clogged Fault
P023D Turbocharger Signal Long-Term Drifted
P1525 Booster Valve Stuck During Learning Process
P0045 No Load Error For Turbo Charger Powerstage
P0046 Over Temperatureerrorfor H-Bridgeof Turbo Charger
P0048 Short Circuit To Battery Error Of Turbo Charger Powerstage
P0047 Booster Control Circuit Short To Ground
P023E Turbocharger Signal Short-Term Drifted
P2565 Srchigh For Turbocharger Position Sensor Value
P2564 Srclow For Turbocharger Position Sensor Value
P1620 Ttl Drive Circuit Open
P1627 Electronic Control Unit (Ecu) Internal Ttl Drive Chip Overheated
P1625 Ttl Drive Circuit Shorted To Power
P1626 Ttl Drive Circuit Shorted To Ground
P0503 Maximum Threshold Error For Vehicle Speed
P1500 Physical Rangecheck High For Signal Of Vehicle Speed
P1501 Physical Rangecheck High For Signal Of Vehicle Speed
P0501 Physical Rangecheck Low For Signal Of Vehicle Speed

P2157 Plausibilitydefect For Vehicle Speed
P1502 Signalerror For Vehicle Speed Over Can
P1503 Max Error For Vehicle Speed Signal Over Tachomter Sensor
P1504 Min Error For Vehicle Speed Signal Over Tachomter Sensor
P0500 Signal Error For Vehicle Speed Over Tachometer
P0660 Defectfault Checkfor Wheel Errorredetection
P1675 Variable Intake Swirl Valve (Vsa) Control Deviation Above Upper Limit
P1676 Variable Intake Swirl Valve (Vsa) Control Deviation Below Lower Limit
P1677 Variable Intake Swirl Valve (Vsa) H-Bridge Drive Circuit Open
P1678 Variable Intake Swirl Valve (Vsa) H-Bridge Drive Circuit Overcurrent
Electronic Control Unit (Ecu) Internal Variable Intake Swirl Valve (Vsa)
P0662 H-Bridge Drive Chip Overheated
Variable Intake Swirl Valve (Vsa) H-Bridge Drive Circuit High Side (1)
P0665 Shorted To Power
Variable Intake Swirl Valve (Vsa) H-Bridge Drive Circuit Low Side (2)
P0663 Shorted To Power
Variable Intake Swirl Valve (Vsa) H-Bridge Drive Circuit Overloaded,
P0661 Shorted
Variable Intake Swirl Valve (Vsa) H-Bridge Drive Circuit High Side (1)
P0664 Shorted To Ground
Variable Intake Swirl Valve (Vsa) H-Bridge Drive Circuit Low Side (2)
P2004 Shorted To Ground
Electronic Control Unit (Ecu) Internal Variable Intake Swirl Valve (Vsa)
P2014 H-Bridge Drive Chip Overheated Due To Overloaded
P2015 Variable Intake Swirl Valve (Vsa) H-Bridge Drive Circuit Voltage Too Low
P1000 Variable Intake Swirl Valve (Vsa) Stuck
P2076 Variable Intake Swirl Valve (Vsa) Long Term Drifted
P2008 Variable Intake Swirl Valve (Vsa) Stuck During Self Learning
P207A Variable Intake Swirl Valve (Vsa) Drive Circuit Open
Electronic Control Unit (Ecu) Internal Variable Intake Swirl Valve (Vsa)
P2010 Drive Chip Overheated
P2009 Variable Intake Swirl Valve (Vsa) Drive Circuit Shorted To Power
P207B Variable Intake Swirl Valve (Vsa) Drive Circuit Shorted To Ground
P2078 Variable Intake Swirl Valve (Vsa) Short Term Drifted
Variable Intake Swirl Valve (Vsa) Position Sensor Voltage Signal Above
P2077 Upper Limit
Variable Intake Swirl Valve (Vsa) Position Sensor Voltage Signal Below
P1250 Lower Limit

- The 1St Cylinder In Firing Order Fuel Injector Energized Time Above Upper
P1251 Limit (When Zfl Functions)
The 2St Cylinder In Firing Order Fuel Injector Energized Time Above Upper
P1252 Limit (When Zfl Functions)
The 3St Cylinder In Firing Order Fuel Injector Energized Time Above Upper
P1253 Limit (When Zfl Functions)
The 4St Cylinder In Firing Order Fuel Injector Energized Time Above Upper
P1254 Limit (When Zfl Functions)
The 1St Cylinder In Firing Order Fuel Injector Energized Time Below Lower
P1255 Limit (When Zfl Functions)
The 2St Cylinder In Firing Order Fuel Injector Energized Time Below Lower
P1256 Limit (When Zfl Functions)
The 3St Cylinder In Firing Order Fuel Injector Energized Time Below Lower
P1257 Limit (When Zfl Functions)
The 4St Cylinder In Firing Order Fuel Injector Energized Time Below Lower
P1258 Limit (When Zfl Functions)

1.1.13 Yu Chai System

1.1.13.1 Yu Chai YC4E160-48 EURO IV Diesel Engine

- P0100 Airflow Sensor Power Supply Failure - High Or Low
P1000 Gas Flow Sensor Signal Compensation Fault - Ultra High Limit
P1001 Air Flow Sensor Signal Compensation Fault - Irrational
P2074 Gasflow Sensor Signal Compensation Fault - Compensation Overload Limit
P2073 Gas Flow Sensor Signal Compensation Fault - Overrun Compensation
P0101 Intake Flow Sensor Signal Drift Fault - Super High Limit
P0101 Intake Flow Sensor Signal Drift Fault - Ultra Low Limit
P0104 Intake Flow Sensor Signal Failure - No Signal
P0103 Inlet Flow Sensor Signal Failure - Periodic High Limit
P0102 Intake Flow Sensor Signal Failure - Cycle Low Limit
P0645 Air Conditioner Compressor (Type 2/1) Control Line Failure - Open Circuit
P0645 Air Conditioner Compressor (Type 2/1) Control Line Fault - Over Temperature
Air Conditioner Compressor (Type 2/1) Control Line Failure - Pairing
P0647 Electricity
P0646 Air Conditioning Compressor (Type 2/1) Control Line Failure - Grounding

Air Conditioning Request Switch Signal Failure - Connection Timeout, CAN

U0164 Receive Timeout

Exhaust Gas Recirculation Control Deviation Out Of Limit Fault - Super EOM High

P1007 Limit

Exhaust Gas Recirculation Control Deviation Out Of Limit Fault - Super EOM Lower

P1008 Limit

P0402 Exhaust Gas Recirculation Control Error Overrun Fault - Super High Limit

P0401 Exhaust Gas Recirculation Control Error Overrun Fault - Ultra Low Limit

P1009 Exhaust Gas Recirculation To Normal Mode Switching Fault - Timeout

P100A Intake Air Warmup Drive Circuit Test Failure - Super High Limit On Activation

P100B Intake Air Preheat Drive Circuit Test Failure - Ultra Low Limit On Activation

P100C Intake Air Warm-Up Drive Circuit Test Failure - Super High Limit At Exit

P100D Intake Air Warmup Drive Circuit Test Failure - Ultra Low Limit On Exit

P0540 Failure Of Intake Warm-Up Drive Circuit - Normally Open

P100F Temperature Sensor Rational Failure - Unreasonable 2

P1010 Temperature Sensor Rational Failure - Unreasonable 3

P1013 Temperature Sensor Rational Failure - Pending Failure

P0659 CY141 Control Relay Output Voltage 0/1 Fault - Short To Power Supply

P0658 CY141 Control Relay Output Voltage 0/1 Fault - Short To Ground

P0563 Battery Voltage Fault - High

P0562 Battery Voltage Failure - Too Low

Battery Voltage Detection Circuit Failure - Short Circuit To Power

P1014 Supply/Actuator Protection Function - Battery Voltage Too High

P1015 Battery Voltage Detection Circuit Failure - Short To Ground

P0568 Brake Switch Fault - In/Out Of Cruise Control

Brake Signal Failure - Unreasonable Main/Secondary Brake Signals/Single Brake

P0504 Failure

U0418 Brake Signal Reception Failure - CAN Reception Timeout

U0029 CAN Node A Fault - Passive

U0038 CAN Node B Failure - Passive

U0047 CAN Node C Fault -Passive

U0056 CAN Node D Fault -Passive

U0029 CAN Node A Fault - Busoff

U0038 CAN Node B Fault - Busoff

U0046 CAN Node C Fault -Busoff

U0055 CAN Node D Fault -Busoff

P0115 Cooling Water Temperature Reasonable Failure - Absolutely Unreasonable

P0116 Cooling Water Temperature Plausibility Failure - Dynamic Irrationality

U0116 Cooling Water Temperature Signal Reception Failure - CAN

P0118 Cooling Water Temperature Sensor Line Fault - Short To Power Or Open Circuit

P0117 Cooling Water Temperature Sensor Circuit Failure - Short Circuit To Ground

P0704 Failure Of Clutch Signal Rationality - Unreasonable Position Signal

U0114 Failure Of Clutch Signal Reception - CAN Reception Timeout

Torque Limit Function Activation - Booster Protection/Post-Processing

Faults/Smoke Restrictions/Performance Limitations/Particle Traps/Negative

P1019 Torque/Injection System/Engine Protection

P101C Torque Limit Function Activation - Limit Information

U1101 Communication Fault - Received Air Conditioner Request Switch Signal Error

Communication Failure - Timeout Of Received Air Conditioner Request Switch

U1102 Signal

U2100 Communication Failure - Send ACK Timed Out

U2101 Communication Failure - Send Ambcon Timeout

U0113 Communication Failure - Receive Upstream NOX Information Error

U0113 Communication Failure - Received Upstream NOX Message Timed Out

Communication Failure - Timeout Of Upstream NOX Signal Transmitted By Receive

U0113 PGN

Communication Fault - Timeout Of Upstream NOX Signal Transmitted By Receive

U0113 PGN

U0113 Communication Failure - Received Downstream NOX Information Error

U0113 Communication Failure - Received Downstream NOX Information Timed Out

U0113 Communication Failure - Timeout Of Downstream NOX Signal From PGN Received

U0113 Communication Failure - Timeout Of Downstream NOX Signal From PGN Received

U0113 Communication Failure - Timeout Of Downstream NOX Signal Requested By DM19

Communication Failure - Timeout Of Downstream NOX Request For DM19 Request

U1103 - BAM

Communication Failure - Timeout Of Downstream NOX Signal For DM19 Request

U1104 Reception

Communication Failure - Timeout Of Downstream NOX Request For DM19 Request

U1105 - PCK

U0113 Communication Fault - Timeout Of Upstream NOX Signal Received By DM19 Request

Communication Failure - Timeout Of Receiving Upstream Nx Signal Requested By

U1106 DM19 - BAM

U1107 Communication Failure - Timeout Of Upstream Nx Signal Received By DM19 Request

Communication Failure - Timeout Of Upstream NOX Signal Received By DM19 Has

U1108 Timed Out - PCK

U0113 Communication Failure - Receiving DCU To Send DM1 Timeout - BAM

U0113 Communication Failure - Receiving DCU To Send DM1 Timeout - PCK
Communication Failure - Timeout After Receiving Post Processing Information

P1400 1

P1401 Communication Failure - Timeout After Receiving Post Processing 2

P1402 Communication Failure - Timeout After Receiving Post Processing 3

P1403 Communication Failure - Timeout Post Processing Received 4

P1404 Communication Fault - Timeout After Receiving Post Processing 5

P1405 Communication Failure - Received DCU Sends DM1 Timeout

U1109 Communication Failure - Error Receiving EBC1 Information

U110a Communication Failure - Receive EBC1 Timeout

U2102 Communication Failure - Receive EEC1 Timeout

U2103 Communication Failure - Receive EEC2 Timeout

U2104 Communication Failure - Receive EEC3 Timeout

U2105 Communication Failure - Receive EFL_P1 Timeout

U110B Communication External Shutdown Request From EBC1

U2106 Communication Failure - Sending Engtemp Timeout

U2107 Communication Failure - Sending ERC1 Timeout

U110C Communication Failure - Received ETC1 Information Error

U110D Communication Failure - Received ETC1 Timeout

U110e Communication Failure - Received ETC2 Information Error

U110f Communication Failure - Received ETC2 Timeout

U2108 Communication Failure - Sending FD Timed Out

U2109 Communication Failure - Send FLEco Timeout

U210A Communication Failure - Sending IC1 Timed Out

U210B Communication Failure - Timeout Sending LFC Message

U0113 Communication Failure - Timeout On Receiving NOX Message - SAE

U0113 Communication Failure - Timeout On Receiving NOX Message - SAE

U0113 Communication Failure - Timeout Of Receiving NOX Message - SAE

U0113 Communication Failure - Timeout On Received NOX Message - SAE

U0113 Communication Failure - Timeout On Received NOX Message - SAE

U0113 Communication Failure - Timeout On Received NOX Message - SAE

U0113 Communication Failure - Timeout On Received NOX Message - SAE

U0113 Communication Failure - Timeout Of Receiving NOX Message - SAE

U0113 Communication Failure - Received NOX Message Timeout - SAE

U0113 Communication Failure - Timeout Of Receiving NOX Message - SAE

U0113 Communication Failure - Timeout On Received NOX Message - SAE

U0113 Communication Failure - Timeout On Receiving NOX Message - SAE

U0113 Communication Failure - Timeout Of Receiving NOX Message - SAE

U0113 Communication Failure - Timeout On Receiving NOX Message - SAE
U0113 Communication Failure - Timeout On Received NOX Message - SAE
U0113 Communication Failure - Timeout On Received NOX Message - SAE
U0113 Communication Failure - Timeout Of Receiving NOX Message - SAE
U0113 Communication Failure - Timeout Of Receiving NOX Message - SAE
U0113 Communication Failure - Receive O2 Message Timeout - SAE
U0113 Communication Failure - Receive O2 NOX Message Timeout - SAE
U210C Communication Failure - Timeout Sending ERC Information - BAM
U210D Communication Failure - Timeout Sending ERC Information - PAC
U1110 Communication Failure - Receive CCVS Information Error
U1111 Communication Failure - Timeout Of Receiving CCVS Messages
U0113 Communication Failure - Timeout On Receiving NOX Message - SAE
U0113 Communication Failure - Timeout On Receiving NOX Message - SAE
U0113 Communication Failure - Received O2 Message Timeout - SAE
U0113 Communication Failure - Receive O2 Message Timeout - SAE
U0113 Communication Failure - Receive Sensor Voltage Signal Timed Out - SAE
U0113 Communication Failure - Receive Sensor Voltage Signal Timed Out - SAE
U0113 Communication Failure - Receive Sensor Interrogation Timeout - SAE
U0113 Communication Failure - Receive Sensor Time Out Signal Timed Out - SAE
U210e Communication Failure - Send ShutDown Timeout
U1112 Communication Failure - Received Tachometer Information Error
U1113 Communication Failure - Received Tachometer Information Error Timeout
U0113 Communication Failure - Time Out To Send Tim Blue Irrigation
U1114 Communication Failure - Received TimeDate Information Error
U1115 Communication Failure - Received TimeDate Timeout
U1116 Communication Failure - TSC1_AE Received Timeout (Active)
U1117 Communication Fault - TSC1_AE Timeout Received (Bit Active)
U1118 Communication Failure - TSC1_AR Received Timeout (Active)
U1119 Communication Failure - Timeout Of Received TSC1_AR (Bit Activated)
U111A Communication Failure - TSC1_De Received Timeout (Active)
U111B Communication Fault - TSC1_De Timeout Received (Bit Active)
U111C Communication Failure - Timeout Of Received TSC1__DR (Active)
U111D Communication Failure - Timeout Of Received TSC1__DR (Bit Activated)
U111E Communication Failure - TSC1_Pe Received Timeout (Active)
U111F Communication Failure - TSC1_Pe Timeout Received (Bit Active)
U1120 Communication Failure - TSC1_Te Received Timeout (Active)
U1121 Communication Failure - TSC1_Te Timeout Received (Bit Activated)
U1122 Communication Failure - Timeout Of Received TSC1_Tr (Active)

U1123 Communication Failure - Timeout Of Received TSC1_Tr (Bit Activated)
 U1124 Communication Failure - Timeout Of Received TSC1_Ve (Active)
 U1125 Communication Failure - Timeout Of Received TSC1_Ve (Bit Activated)
 U1126 Communication Failure - TSC1_Vr Received Timeout (Active)
 U1127 Communication Failure - Received TSC1_Vr Timeout (Bit Activated)
 U1128 Communication Fault - Received TSC1_AE Information Error
 U1129 Communication Fault - Timeout Of Received TSC1_AE Message
 U112A Communication Failure - Received TSC1_AR Information Error
 U112B Communication Failure - Timeout Of Received TSC1_AR Message
 U112C Communication Failure - Received TSC1_De Information Error
 U112D Communication Fault - Timeout Of Received TSC1_De Message
 U112E Communication Failure - Received TSC1_DR Information Error
 U112F Communication Failure - Received TSC1_DR Information Timed Out
 U1130 Communication Fault - Received TSC1_Pe Information Error
 U1131 Communication Fault - Timeout Of Received TSC1_Pe Message
 U1132 Communication Fault - Received TSC1_Te Information Error
 U1133 Communication Failure - Timeout Of Received TSC1_Te Message
 U1134 Communication Failure - Received TSC1_Tr Information Error
 U1135 Communication Fault - Timeout Of Received TSC1_Tr Message
 U1136 Communication Failure - Received TSC1_Ve Information Error
 U1137 Communication Failure - Timeout Of Received TSC1_Ve Message
 U1138 Communication Failure - Received TSC1_Vr Information Error
 U1139 Communication Failure - Timeout Of Received TSC1_Vr Message
 U210f Communication Failure - Send CCVS Timeout
 U2110 Communication Failure - Sending Pgnrq1B Timeout
 U2111 Communication Failure - Sending Pgnrq Timeout
 U2112 Communication Failure - Sending Uaa1 Timeout
 U2113 Communication Failure - Sending Uaa2 Timeout
 U2114 Communication Failure - Sending Uaa3 Timeout
 U2115 Communication Failure - Send Uaa4 Timeout
 U2116 Communication Failure - Sending Uaa5 Timeout
 U2117 Communication Failure - Sending Uaa6 Timeout
 U2118 Communication Failure - Sending Uaa7 Timeout
 U2119 Communication Failure - Sending Uaa8 Timeout
 U211A Communication Failure - Sending Vd Timed Out
 U211B Communication Failure - Sending Vep1 Timeout
 U211C Communication Failure - Send Wfi Timeout
 P0546 Cruise Button Reasonable Failure - Irrational

P0607 Ecu Internal Hardware Communication Failure - CY146Spi/Cy320Spi Communication
P1024 Brake Rational Fault - Idle Brake Switch And Service Brake Switch Unreasonable
P2535 Stop Line Fault - Chang Tong
P2534 Start Button Line Failure - Always-Passed
P3402 Cylinder Brake Control Circuit Failure - Open Circuit
P3401 In-Cylinder Brake Control Circuit Fault - Over Temperature
P3404 Cylinder Brake Control Circuit Failure - Short Circuit To Power Supply
P3403 Cylinder Brake Control Circuit Fault - Short To Ground
P062F Ecu Internal Hardware Fault - Friction Eeprom
P062F Ecu Internal Hardware Failure - Read Eeprom
P0602 Ecu Internal Hardware Failure - Write Eeprom
P2413 EGR Control Failure - Limited Opening/Circuit Overload/Overtemperature
P1025 EGR Body Dislocation Detection - Voltage Overrange At Full Shutoff
P1026 EGR Body Dislocation Detection - Voltage Overrange At Full Opening
P1027 EGR Body Dislocation Detection - Voltage Difference Overrange
P1028 EGR Control Fault - Actual Deviation From Target In Cold Start
P1029 EGR Control Fault - Actual And Target Deviation Is Too Large
P102A EGR Control Fault - Actual Deviation From Target Is Too Large
P0404 EGR Drive Fault - Drive Circuit Open
P0490 EGR Drive Fault - Port 1/2 Short To Power Supply
P0489 EGR Drive Fault - Port 1/2 Short To Ground
P102B EGR Valve Stuck Fault - Wide Opening
P102C EGR Valve Stuck Fault - Small Opening
The EGR Valve Body Misalignment Detection - There Is A Large Difference
P102D Between The First Voltage And The Full EGR Valve
P1033 High Engine Speed Fault - Super Ico Limit
P0219 Engine Speed Control Failure - Speeding
P1034 Engine Speed Control Failure - Too Low
P0723 Engine Speed Output Circuit Open - Open Circuit
P0722 Engine Speed Output Circuit Open - Over Temperature
P0720 Engine Speed Output Line Open - Short To Power Supply
P0721 Engine Speed Output Circuit Open - Short To Ground
U1300 Environmental Pressure Signal Reception Failure - CAN Receive Timeout
P2229 Circuit Pressure Sensor Line Failure - Short To Power Supply
P2228 Environmental Pressure Sensor Line Failure - Short To Ground
P1035 Failure Of Ambient Temperature Reasonability - Unreasonable With Tafs
P0073 Circuit Temperature Sensor Line Fault - Short To Power Supply
P0072 Circuit Temperature Sensor Line Fault - Short Circuit To Ground

P0341 Cam Shaft Signal Failure - Signal Error
P0340 Cam Shaft Signal Failure - No Signal
P0016 Phase Fault - Excessive Deviation Of Crankshaft And Camshaft Signal
P0336 Crankshaft Signal Failure - Signal Error
P0335 Crankshaft Signal Failure - No Signal
P0476 Exhaust Brake Control Circuit Fault - Open Circuit
P0475 Exhaust Brake Control Circuit Fault - Over Temperature
P0478 Failure Of Exhaust Brake Control Circuit - Short Circuit To Power Supply
P0477 Exhaust Brake Control Circuit Fault - Short To Ground
P0479 Exhaust Brake Test Fault - Test High At Low Signal
P0479 Exhaust Brake Test Fault - Test Low At High Signal
P0480 Digital Fan 1/2 Control Line Failure - Open Circuit
P0484 Digital Fan 1/2 Control Line Fault - Over Temperature
P0692 Digital Fan 1/2 Control Line Fault - Short To Power Supply
P0691 Digital Fan 1/2 Control Line Fault - Short To Ground
P0483 Fan Speed Signal Failure - Calculator Overflow
P0495 Fan Speed Fault - High
P0494 Fan Speed Fault - Too Low
P0266 Fbc Correction Overrun Fault-2 Cylinder
P0272 Fbc Correction Over Fault 4-Cylinder
P0278 Fbc Correction Overrun Fault-6 Cylinder
P103A Oil Filter Plugging Sensor (Analog) Line Failure - Short Circuit To Power Supply
P103B Oil Filter Plugging (Analog) Line Failure - Short To Ground
P1018 Oil Filter Blockage Failure = Blockage
P1017 Occlusion Of Oil Filter Block Failure = Blockage When Power Is Not Applied
P2029 Fuel Heating Control Circuit Failure - Open Circuit
P2029 Fuel Heating Control Circuit Failure - Over Temperature
P2030 Fuel Heating Control Circuit Failure - Short Circuit To Power Supply
P2030 Fuel Heating Control Circuit Failure - Short Circuit To Ground
P2267 Fuel Oil Sensor (Analog) Line Fault - Short To Power Supply
P2266 Fuel Oil Sensor (Analog) Line Fault - Short To Ground
P2269 Fuel Humidity Fault
P103E Fuel Level Fault - Too Low
P0183 Fuel Temperature Sensor Line Fault - Short To Power Supply
P0182 Fuel Temperature Sensor Circuit Failure - Short Circuit To Ground
P0181 Fuel Temperature Reasonable Failure - Second Temperature Not Reasonable
U1301 Neutral Switch Signal Reception Failure - CAN Reception Timeout
P0382 Preheat Lamp Control Line Failure - Open Circuit

P0381 Preheat Lamp Control Line Fault - Over Temperature
P0384 Preheat Lamp Control Line Failure - Short Circuit To Power Supply
P0383 Preheat Lamp Control Line Fault - Short Circuit To Ground
P2605 Preheat Control Line Failure - Open Circuit
P2606 Preheating Control Line Failure - Over Temperature
P2608 Warming-Up Of Preheat Control Circuit - Short Circuit To Power Supply
P2607 Warming-Up Of Preheat Control Line - Short Circuit To Ground
Fuel Injection Control Fault - Excessive Injection (Electrical Load) / Startup
P103F Test
Fuel Injection Control Fault - Too Many Injections (Fuel Control Balance/System
P1040 Requirements/Run Time)
P0087 Fuel Injection Control Fault - Rail Pressure Low
P020A Fuel Injection Correction Over Fault - Injector 1
P020E Fuel Injection Correction Over Fault - Injector 2
P020C Fuel Injection Correction Over Fault - Injector 3
P020F Fuel Injection Correction Over Fault - Injector 4
P020B Fuel Injection Correction Over Fault - Injector 5
P020D Fuel Injection Correction Over Fault - Injector 6
P062D Injector Common 1/2 Line Fault - Short Circuit
P0201 Injector 1 Drive Line Fault - Open Circuit
P0202 Injector 2 Drive Line Failure - Open Circuit
P0203 Injector 3 Drive Line Fault - Open Circuit
P0204 Injector 4 Drive Line Failure - Open Circuit
P0205 Injector 5 Drive Line Fault - Open Circuit
P0206 Injector 6 Drive Line Fault - Open Circuit
P1044 Injector 1 Drive Line Failure - Reserved
P1045 Injector 2 Drive Line Failure - Reserved
P1046 Injector 3 Drive Line Failure - Reserved
P1047 Injector 4 Drive Line Failure - Reserved
P1048 Injector 5 Drive Line Failure - Reserved
P1049 Injector 6 Drive Line Failure - Reserved
P0262 Injector 1 Drive Line Fault - Short Circuit
P0265 Injector 2 Drive Line Failure - Short Circuit
P0268 Injector 3 Drive Line Fault - Short Circuit
P0271 Injector 4 Drive Line Fault - Short Circuit
P0274 Injector 5 Drive Line Fault - Short Circuit
P0277 Injector 6 Drive Line Fault - Short Circuit
P0261 Injector 1 Drive Line Fault - High And Low Side Short Circuits

P0264 Injector 2 Drive Line Failure - High And Low Side Short Circuits
P0267 Injector 3 Drive Line Failure - High And Low Side Short Circuits
P0270 Injector 4 Drive Line Fault - High And Low Side Short Circuits
P0273 Injector 5 Drive Line Failure - High And Low Side Short Circuits
P0276 Injector 6 Drive Line Failure - High And Low Side Short Circuits
P104A Injector Line Fault - Short Circuit To Bank0/1
P1581 Injector Line Failure - Bank0/1 Detected Time Out
P251C Pto Switch Line Failure - Short To Power Supply
P0255 Fuel Metering Valve Drive Line Fault - Low-End Virtual Connection
P0251 Fuel Metering Valve Drive Line Fault - Low-Side Line Open
P0252 Fuel Metering Valve Drive Line Fault - Over Temperature
P0007 Fuel Metering Valve Drive Line Failure - High-Side Short Circuit To Power Supply
P0006 Fuel Metering Valve Drive Line Failure - High-Side Short Circuit To Ground
P0254 Fuel Metering Valve Drive Line Fault - Low-Side Power Short Circuit
P0253 Fuel Metering Valve Drive Line Fault - Low-Side Ground Short Circuit
P025D Short Circuit Of Fuel Metering Valve Current Sensor
P025C Short-Circuit Short Circuit Of Fuel Metering Valve Current Sensor
P0650 Mil Lamp Control Line Failure - Open Circuit
P104C Mil Lamp Control Line Failure - Over Temperature
P104D Mil Lamp Control Line Fault - Short To Ground
P104E Mil Lamp Control Line Fault - Short To Power Supply
P251B Pto Switch Line Failure - Ad Switching Voltage Low
Ecu Internal Hardware Failure - Ad Conversion Power Supply Too Low / Sop/Rom/Ad
Conversion Power Supply Overrun/Fc And Mm Plausibility Failure
P060B (Communication)/Spi Communication Interruption (Communication)
Activation Of Torque Limit Related Faults - Throttle All The Way To The Second
Road Is Irrational / 1St And 2Nd Level Of Calculation Of The Speed Is Not
Reasonable / Main Pre-Spray Plus Point Time Is Not Reasonable / Power-On Angle
P060D At Startup Is Not Reasonable
P0618 Torque Limit-Related Fault -Overrun Sprinkle Paint Over Time
Activation Of Torque Limit Related Fault - Too Long Injector Fueling During
P1055 Overheat Protection
P105A Activate Torque Limit Related Faults - Limiting Rail Pressure / Intake Air
P068A Master Relay Line Failure - Early Shutdown
P068B Master Relay Line Failure - Cannot Be Closed
Pto Switch Line Failure - Unreasonable/Pto Switch Signal Reception Failure -
P253E CAN Reception Timeout
P1080 NOX Fault 1 - Clearable

P1081 OBD-Related Fault 2-Uncleanable
P1082 OBD Related Fault 3 - Not Clearable
P1083 OBD-Related Fault 4-Unclearable
P1084 OBD-Related Fault 5-Unclearable
P1085 OBD Related Fault 6 - Uncleanable
P1086 OBD Related Failure 7 - Uncleanable
P1087 OBD-Related Fault 8-Unclearable
P1088 OBD Fault 2 - Clearable
P1089 OBD Fault 3 - Clearable
P108A NOX Over Fault 4 - Clearable
P108B NOX Over Fault 5 - Clearable
P108C NOX Super Fault 6 - Clearable
P108D NOX Super Fault 7 - Clearable
P108E NOX Fails 8 - Clearable
P108F OBD Related Fault 1 - Not Clearable
P1090 Ecu Internal Fault - Communication Failure (Wda Active)
P1091 Ecu Internal Fault - Voltage Too Low (Abe Active)
P1092 Ecu Internal Fault - High Voltage (Abe Active)
P1093 Ecu Internal Fault - Pending (Abe/Wda Active)
P250D Oil Level Sensor Line Fault - Short To Power Supply
P250C Oil Level Sensor Line Fault - Short To Ground
P250B Oil Level Reasonable Failure - No Change In Voltage
P252F Oil Level - High
P250F Oil Level - Low
P1094 Oil Warning Lamp Control Line Failure - Open Circuit
P1095 Oil Alarm Light Control Line Fault - Over Temperature
P1096 Oil Warning Lamp Control Line Failure - Short Circuit To Power Supply
P1097 Oil Warning Lamp Control Line Failure - Short Circuit To Ground
P1098 Oil Pressure (Digital Sensor) Signal Plausibility Failure=No Signal At Runtime
P1099 Oil Pressure (Digital Sensor) Signal Plausibility Failure = Signal At Shutdown
P0521 Oil Pressure Failure - High (Temperature, Speed)
P0524 Oil Pressure Fault - Low (Rpm)
U1302 Oil Pressure Signal Reception Failure - CAN Reception Timeout
P0523 Oil Pressure Sensor Line Fault - Short To Power Supply
P0522 Oil Pressure Sensor Line Fault - Short Circuit To Ground
P0196 Oil Temperature Fault - High
U1303 Oil Temperature Signal Reception Failure - CAN Reception Timeout
P0198 Oil Temperature Sensor Line Fault - Short To Power Supply

P0197 Oil Temperature Sensor Line Fault - Short To Ground

P109A Rated Oil Temperature Reasonable - With Second Temperature Unreasonable

P2263 Supercharging Pressure Control Deviation Fault - Excessively Large

P2263 Supercharging Pressure Control Deviation Fault - Too Small

P109B Troubleshooting Torque Oil Calibration Rational - The Curve Is Not Monotonous

Failure In Boost Pressure And Ambient Pressure Plausibility - Excessive

P0236 Difference

P0240 Boost Pressure And Ambient Pressure Plausibility Failure - Too Small Difference

P0238 Boost Pressure Sensor Line Fault - Short To Power Supply

P0237 Boost Pressure Sensor Line Fault - Short Circuit To Ground

P2456 Particle Trap - Clogged Fault

P2456 Particle Trap - Rmv Failure

P2456 Particle Traps - Ultra High Physical Signals

P2456 Particle Traps - Ultra Low Physical Signals

P2456 Particle Traps - Signal Irrational

UF110 Particle Trap - CAN Signal Reception Timeout Error

P2455 Particle Trap - Signal Voltage Value Upper Limit

P2454 Particle Trap - Signal Voltage Value Lower Limit

P10A0 Pressure Relief Valve Forced Opening - Excessive Opening Times

P10A1 Pressure Relief Valve Forced Open - Build Rail Pressure

P10A2 Pressure Relief Valve Forced Open - Open Test

P10A3 Relief Valve Forced On - Opened

P10A4 Pressure Relief Valve Forced On - Imbalance Of Oil

P10A5 Relief Valve Forced On - Stuck

P10A6 Pressure Relief Valve Forced Open - Too Long Opening Time

P060C Ecu Internal Hardware Fault - R2S2 Communication Interrupted

Closed-Loop Control Mode Fault 0-Actually Less Than Target (Metering Valve

P10A7 Large Flow)

P10A8 Troop Pressure Closed Loop Control Mode Fault 10 - Metering Valve Flow Imbalance

Closed-Loop Control Mode Fault 2 - Actually Greater Than Target (Metering Valve

P10A9 0 Flow Rate)

Closed-Loop Control Mode Fault 22-Actually Greater Than Target Level 2

P10B0 (Metering Valve 0 Flow Rate)

Failure In Rail Pressure Closed-Loop Control Mode 4-Track Pressure Excessively

P10B2 Large

Failure In Rail Pressure Closed-Loop Control Mode 42 - Rail Pressure

P10B3 Excessively Large

P10B4 Failure In Rail Pressure Closed Loop Control Mode 7 -Overflow Of Metering Valve

(Over Run/At Idle)

- P0190 Bus Pressure Signal Drift Fault - Large
- P0191 Bus Pressure Signal Drift Fault - Partially Small
- P10B8 Bullet Pressure Control Fault - Large Limphome Fuel Level (PRV Not Turned On)
- P10B9 Bus Pressure Control Fault - Limphome High Oil Temperature
- P0193 Rail Pressure Sensor Line Fault - Short To Power Supply
- P0192 Bearer Pressure Sensor Line Fault - Short To Ground
- P0648 Theft Signal Error - Signal Is High
- P0124 Remote Throttle 1St/2Nd Line Fault - Short Circuit To Power Supply
- P0224 Remote Throttle 1St/2Nd Line Fault - Short Circuit To Power Supply
- P0121 Remote Throttle 1St/2Nd Circuit Fault - Short To Ground
- P0221 Remote Throttle 1St/2Nd Line Fault - Short To Ground
- P0643 Reference Power 1/2/3 Power Failure - Overrange
- P0608 12V Power Supply Monitor Line Fault - Short To Power Supply
- P0608 12V Power Supply Monitor Line Failure - Short Circuit To Ground
- P2610 Downtime Calculation Failure - Chronograph Timing Inaccurate
- P1105 Stop Control Line Failure - Open Circuit
- P1106 Control Line Failures Such As Shutdowns - Overtemperature
- P1107 Stop Control Line Failure, ETC. - Short Circuit To Power Supply
- P1108 Stop Control Line Failure, ETC. - Ground Short Circuit
- P0817 Starting Relay Control Line Failure - Open Circuit
- P0615 Startup Relay Control Line Fault - Overtemperature
- P0617 Startup Relay Control Line Failure - Short Circuit To Power Supply
- P0616 Start Relay Control Line Fault - Short To Ground
- P110D Reset Monitor - Software Reset Related Failure 0/1/2
- P2135 The Rationality Of Throttle Signal Failure - One Way And Two Way Irrational
- The Rationality Of The Throttle Signal Failure - Unreasonable One-Way And Idle
- P1111 Switch
- P2350 Start Request Switching Line Failure - Always-On
- P0113 Afs Temperature Sensor Signal Failure - Duty Cycle Upper Limit
- P0112 Afs Temperature Sensor Signal Failure - Duty Cycle Ultra Low Limit
- P0111 Afs Temperature Sensor Signal Failure - Cycle Over Limit
- P0110 Afs Temperature Sensor Signal Failure - Cycle Over Limit
- U1304 Intake Temperature Signal Reception Failure - CAN Reception Timeout
- P0098 Intake Temperature Signal Reception Failure - Short Circuit To Power Supply
- P0097 Intake Temperature Signal Reception Failure - Short To Ground
- P1113 Intake Temperature Reasonable Failure - Second Temperature Unreasonable
- P0669 Ecu Temperature Sensor Line Fault - Short To Power Supply

P0668 Ecu Temperature Sensor Line Fault - Short Circuit To Ground
P2100 Throttle Control Failure - Limited Opening/Over Temperature
P2109 Throttle Body Displacement Detection - Voltage Overrange At Full Shutoff
P2110 Throttle Body Displacement Detection - Voltage Overrange At Full Opening
Throttle Valve Body Misalignment Detection - Voltage Difference
P2113 Overrange/Virtual Connection
P2114 Throttle Control Fault - Actual Deviation From Target In Cold Start
P2115 Throttle Control Failure - Actual Deviation From Target Is Too Large
P2116 Throttle Control Failure - Actual Deviation From Target Is Too Large
P2112 Throttle Stuck Fault - Wide Opening
P2111 Throttle Stuck Fault - Small Opening
Throttle Valve Body Misalignment Detection - The Difference Between The First
P2108 Detection Voltage And The Fully Closed Valve Is Too Large
P2100 Failure Of Throttle Control Circuit - Open Circuit
P2103 Failed Throttle Control Line - Short Circuit To Power Supply
P2102 Failed Throttle Control Circuit - Short Circuit To Ground
P0098 Intake Temperature Sensor Line Fault - Short To Power Supply
P0097 Intake Temperature Sensor Line Fault - Short To Ground
P0045 Supercharger Control Line Failure - Open Circuit
P0049 Supercharger Speed Fault - Super High
P0046 Supercharger Control Line Failure - Over Temperature
P0048 Supercharger Control Line Failure - Short Circuit To Power Supply
P0047 Supercharger Control Line Failure - Short Circuit To Ground
U1305 Speed Signal Reception Failure - CAN Reception Timeout
P0297 Speed Signal Failure - Speed Overspeed
P2162 Speed Sensor Line Fault - Open Circuit
P2159 Vehicle Speed Signal - Torque Reasonability With Engine Speed
P0503 Speed Sensor Line Fault - Short To Power Supply
P0502 Speed Sensor Line Fault - Short Circuit To Ground
P2158 Speed Signal Failure - Excessive Period
P2160 Speed Signal Failure - Cycle Too Small
P2161 Speed Signal Failure - Short High Time
P1631 Warning Light Control Line Failure-Open Circuit
P1632 Warning Light Control Line Failure - Over Temperature
P162f Warning Light Control Line Failure - Short Circuit To Power Supply
P1630 Warning Light Control Line Failure - Short Circuit To Ground
P162B Low Power Consumption Time Limit
P162C Low Power Consumption Time Limit

P162D Low Power Consumption Time Limit

P1622 Low Power Consumption Time Limit

P1623 Low Power Consumption Time Limit

P1624 Low Power Consumption Time Limit

1.2 ABS

1.2.1 APG ABS

011b Left front wheel speed signal

011d Right front wheel speed signal

0122 Left rear wheel speed signal

011f Right rear wheel speed signal

012d ABS Motor supply voltage

012e ABS valve supply voltage

0214 Battery voltage

00ff ECU coil drive

027f Deceleration sensor signal

1.2.2 WABCO ABS

P0001 Brake booster VAC short circuit

P0013 Brake booster VAC open circuit

P0015 Brake booster VAC too low

P0017 Powertrain Control Module (PCM) data link damaged

P0037 ABS/TCS data loss

P0100 Air flow meter circuit fault

P0101 Air flow meter circuit fault

P0102 Air flow meter signal too low

P0103 Air flow meter signal too high

P0105 Barometric pressure sensor signal fault

P0106 Barometric pressure sensor circuit adjustment or performance fault

P0107 Barometric pressure sensor voltage too low

P0108	Barometric pressure sensor voltage too high
P0110	Intake air temperature sensor circuit short or intermittent
P0111	Intake air temperature sensor circuit adjustment or performance fault
P0112	Intake air temperature sensor voltage too high
P0113	Intake air temperature sensor voltage too low
P0115	Water temperature sensor circuit short or intermittent
P0116	Engine water temperature sensor signal fault
P0117	Engine water temperature voltage signal too high
P0118	Engine water temperature voltage signal too low
P0120	Throttle signal lower than 0.1V or higher than 4.9V
P0121	Throttle position sensor adjustment abnormal
P0122	Throttle position sensor voltage too low
P0123	Throttle position sensor voltage too high
P0125	Insufficient coolant temperature for closed loop fuel control
P0130	Upstream O2 sensor (O2B1S1) faulty
P0131	O2 sensor (O2B1S1) voltage too high, mixture ratio too lean
P0132	O2 sensor (O2B1S1) voltage too low, mixture ratio too rich
P0133	Upstream O2 sensor (O2B1S1) change rate too slow
P0134	O2 sensor (O2B1S1) open circuit or no change
P0135	Upstream O2 sensor (O2B1S1) signal interference
P0136	Downstream O2 sensor (O2B1S2) signal faulty
P0137	Downstream O2 sensor (O2B1S2) signal too low
P0138	Downstream O2 sensor (O2B1S2) signal too high
P0139	Downstream O2 sensor (O2B1S2) change rate too slow
P0140	Downstream O2 sensor (O2B1S2) circuit open or short
P0141	Downstream O2 sensor (O2B1S2) heating circuit faulty
P0142	O2 sensor (O2B1S3) signal faulty
P0143	O2 sensor (O2B1S3) signal too low
P0144	O2 sensor (O2B1S3) signal too high
P0145	O2 sensor (O2B1S3) change rate too slow
P0146	O2 sensor (O2B1S3) circuit short or open
P0147	O2 sensor (O2B1S3) heating circuit faulty
P0150	O2 sensor (O2B2S1) voltage too low or too high
P0151	O2 sensor (O2B2S1) voltage too low, mixture ratio too lean
P0152	O2 sensor (O2B2S1) voltage too high, mixture ratio too rich
P0153	O2 sensor (O2B2S1) signal change rate too slow
P0154	O2 sensor (O2B2S1) open circuit
P0155	O2 sensor (O2B2S1) interfered

- P0156 O2 sensor (O2B2S2) voltage too low or too high
- P0157 O2 sensor (O2B2S2) voltage too low, mixture ratio too lean
- P0158 O2 sensor (O2B2S2) voltage too high, mixture ratio too rich
- P0159 O2 sensor (O2B2S2) signal change rate too slow
- P0160 O2 sensor (O2B2S2) heater open circuit
- P0161 O2 sensor (O2B2S2) heater faulty
- P0162 O2 sensor (O2B2S3) voltage too low or too high
- P0163 O2 sensor (O2B2S3) voltage too low, mixture ratio too lean
- P0164 O2 sensor (O2B2S3) voltage too high, mixture ratio too rich
- P0165 O2 sensor (O2B2S3) signal change rate too slow
- P0166 O2 sensor (O2B2S3) heater open circuit
- P0167 O2 sensor (O2B2S3) heater faulty
- P0170 Mixture ratio fault (Bank 1)
- P0171 Fuel supply correction too lean (Bank 1)
- P0172 Fuel supply correction too rich (Bank 1)
- P0173 Mixture ratio fault (Bank 1)
- P0174 Fuel supply correction too lean (Bank 2)
- P0175 Fuel supply correction too rich (Bank 2)
- P0176 Fuel mixture sensor fault
- P0177 Fuel mixture sensor circuit adjustment or performance fault
- P0178 Fuel mixture sensor voltage too low
- P0179 Fuel mixture sensor voltage too high
- P0180 Fuel supply correction sensor A circuit fault
- P0181 Fuel supply correction sensor A circuit adjustment or performance fault
- P0182 Fuel supply correction sensor A voltage too low
- P0183 Fuel supply correction sensor A voltage too high
- P0185 Fuel supply correction sensor B circuit fault
- P0186 Fuel supply correction sensor B adjustment or performance fault
- P0187 Fuel supply correction sensor B voltage too low
- P0188 Fuel supply correction sensor B voltage too high
- P0190 Fuel line pressure sensor circuit fault
- P0191 Fuel line pressure sensor circuit adjustment or performance fault
- P0192 Fuel line pressure sensor voltage too low
- P0193 Fuel line pressure sensor voltage too high
- P0194 Fuel line pressure sensor circuit poor contact
- P0195 Oil temperature sensor fault
- P0196 Oil temperature sensor adjustment or performance fault
- P0197 Oil temperature sensor voltage too low

- P0198 Oil temperature sensor voltage too high
- P0199 Oil temperature sensor circuit poor contact
- P0200 Injector loop fault
- P0201 Injector circuit fault – Cylinder 1
- P0202 Injector circuit fault – Cylinder 2
- P0203 Injector circuit fault – Cylinder 3
- P0204 Injector circuit fault – Cylinder 4
- P0205 Injector circuit fault – Cylinder 5
- P0206 Injector circuit fault – Cylinder 6
- P0207 Injector circuit fault – Cylinder 7
- P0208 Injector circuit fault – Cylinder 8
- P0209 Injector circuit fault – Cylinder 9
- P0210 Injector circuit fault – Cylinder 10
- P0211 Injector circuit fault – Cylinder 11
- P0212 Injector circuit fault – Cylinder 12
- P0213 Cold start injector 1 fault
- P0214 Cold start injector 2 fault
- P0215 Off engine coil (relay) fault
- P0216 Injector timing control circuit fault
- P0217 Engine overheat
- P0218 Transmission overheat
- P0219 Engine overspeed
- P0220 Throttle position sensor B circuit fault
- P0221 Throttle position sensor B adjustment abnormal
- P0222 Throttle position sensor B voltage too low
- P0223 Throttle position sensor B voltage too high
- P0224 Throttle position sensor B circuit poor contact
- P0225 Throttle position sensor C circuit fault
- P0226 Throttle position sensor C adjustment abnormal
- P0227 Throttle position sensor C voltage too low
- P0228 Throttle position sensor C voltage too high
- P0229 Throttle position sensor C circuit poor contact
- P0230 Fuel pump main circuit fault
- P0231 Fuel pump secondary circuit voltage too low
- P0232 Fuel pump secondary circuit voltage too high
- P0233 Fuel pump secondary circuit poor contact
- P0235 Turbocharger sensor A circuit fault
- P0236 Turbocharger sensor A adjustment abnormal

P0237 Turbocharger sensor A voltage too low
 P0238 Turbocharger sensor A voltage too high
 P0240 Turbocharger sensor B circuit fault
 P0241 Turbocharger sensor B voltage too low
 P0242 Turbocharger sensor B voltage too high
 P0243 Turbocharger exhaust valve A drive coil fault
 P0244 Turbocharger exhaust valve A drive coil adjustment abnormal
 P0245 Turbocharger exhaust valve A drive coil voltage too low
 P0246 Turbocharger exhaust valve A drive coil voltage too high
 P0247 Turbocharger exhaust valve B drive coil fault
 P0248 Turbocharger exhaust valve B drive coil adjustment abnormal
 P0249 Turbocharger exhaust valve B drive coil voltage too low
 P0250 Turbocharger exhaust valve B drive coil voltage too high
 P0251 Injection pump A rotor or camshaft fault
 P0252 Injection pump A rotor or camshaft adjustment abnormal
 P0253 Injection pump A rotor or camshaft sensor voltage too low
 P0254 Injection pump A rotor or camshaft sensor voltage too high
 P0255 Injection pump A rotor or camshaft sensor circuit poor connected
 P0256 Injection pump B rotor or camshaft fault
 P0257 Injection pump B rotor or camshaft adjustment abnormal
 P0258 Injection pump B rotor or camshaft sensor voltage too low
 P0259 Injection pump B rotor or camshaft sensor voltage too high
 P0260 Injection pump B rotor or camshaft sensor circuit poor connected
 P0261 Cylinder 1 injector circuit voltage too low
 P0262 Cylinder 1 injector circuit voltage too high
 P0263 Cylinder 1 injector circuit actuation failed
 P0264 Cylinder 2 injector circuit voltage too low
 P0265 Cylinder 2 injector circuit voltage too high
 P0266 Cylinder 2 injector circuit actuation failed
 P0267 Cylinder 3 injector circuit voltage too low
 P0268 Cylinder 3 injector circuit voltage too high
 P0269 Cylinder 3 injector circuit actuation failed
 P0270 Cylinder 4 injector circuit voltage too low
 P0271 Cylinder 4 injector circuit voltage too high
 P0272 Cylinder 4 injector circuit actuation failed
 P0273 Cylinder 5 injector circuit voltage too low
 P0274 Cylinder 5 injector circuit voltage too high
 P0275 Cylinder 5 injector circuit actuation failed

P0276 Cylinder 6 injector circuit voltage too low
P0277 Cylinder 6 injector circuit voltage too high
P0278 Cylinder 6 injector circuit actuation failed
P0279 Cylinder 7 injector circuit voltage too low
P0280 Cylinder 7 injector circuit voltage too high
P0281 Cylinder 7 injector circuit actuation failed
P0282 Cylinder 8 injector circuit voltage too low
P0283 Cylinder 8 injector circuit voltage too high
P0284 Cylinder 8 injector circuit actuation failed
P0285 Cylinder 9 injector circuit voltage too low
P0286 Cylinder 9 injector circuit voltage too high
P0287 Cylinder 9 injector circuit actuation failed
P0288 Cylinder 10 injector circuit voltage too low
P0289 Cylinder 10 injector circuit voltage too high
P0290 Cylinder 10 injector circuit actuation failed
P0291 Cylinder 11 injector circuit voltage too low
P0292 Cylinder 11 injector circuit voltage too high
P0293 Cylinder 11 injector circuit actuation failed
P0294 Cylinder 12 injector circuit voltage too low
P0295 Cylinder 12 injector circuit voltage too high
P0296 Cylinder 12 injector circuit actuation failed
P0300 Ignition system no ignition intermittently
P0301 Cylinder 1 no ignition intermittently
P0302 Cylinder 2 no ignition intermittently
P0303 Cylinder 3 no ignition intermittently
P0304 Cylinder 4 no ignition intermittently
P0305 Cylinder 5 no ignition intermittently
P0306 Cylinder 6 no ignition intermittently
P0307 Cylinder 7 no ignition intermittently
P0308 Cylinder 8 no ignition intermittently
P0309 Cylinder 9 no ignition intermittently
P0310 Cylinder 10 no ignition intermittently
P0311 Cylinder 11 no ignition intermittently
P0312 Cylinder 12 no ignition intermittently
P0320 Engine speed signal (PIP) fault
P0321 Crankshaft sensor or reference signal fault
P0322 No engine speed signal
P0323 Engine speed signal – intermittent missing

- P0325 Knock sensor 1 circuit fault
- P0326 Knock sensor 1 adjustment abnormal
- P0327 Knock sensor 1 voltage too low
- P0328 Knock sensor 1 voltage too high
- P0329 Knock sensor 1 signal – intermittent missing
- P0330 Knock sensor 2 circuit fault
- P0331 Knock sensor 2 adjustment abnormal
- P0332 Knock sensor 2 voltage too low
- P0333 Knock sensor 2 voltage too high
- P0334 Knock sensor 2 signal – intermittent missing
- P0335 Crankshaft position sensor A faulty
- P0336 Crankshaft position sensor A adjustment abnormal or performance fault
- P0337 Crankshaft position sensor A circuit too low
- P0338 Crankshaft position sensor A circuit too low
- P0339 Crankshaft position sensor A circuit poor connected
- P0340 Camshaft position sensor fault
- P0341 Camshaft position sensor adjustment abnormal or performance fault
- P0342 Camshaft position sensor voltage too low
- P0343 Camshaft position sensor voltage too low
- P0344 Camshaft position sensor circuit poor connected
- P0350 Ignition coil primary/secondary circuit faulty
- P0351 Ignition coil A primary/secondary circuit faulty
- P0352 Ignition coil B primary/secondary circuit faulty
- P0353 Ignition coil C primary/secondary circuit faulty
- P0354 Ignition coil D primary/secondary circuit faulty
- P0355 Ignition coil E primary/secondary circuit faulty
- P0356 Ignition coil F primary/secondary circuit faulty
- P0357 Ignition coil G primary/secondary circuit faulty
- P0358 Ignition coil H primary/secondary circuit faulty
- P0359 Ignition coil I primary/secondary circuit faulty
- P0360 Ignition coil J primary/secondary circuit faulty
- P0361 Ignition coil K primary/secondary circuit faulty
- P0362 Ignition coil L primary/secondary circuit faulty
- P0370 Ignition timing sensor (HRS) A fault
- P0371 Ignition timing sensor (HRS) A too many pulses
- P0372 Ignition timing sensor (HRS) A too many pulses
- P0373 Ignition timing sensor (HRS) A pulse intermittent missing
- P0374 Ignition timing sensor (HRS) A no pulse

- P0375 Ignition timing sensor (HRS) B fault
- P0376 Ignition timing sensor (HRS) B too many pulses
- P0377 Ignition timing sensor (HRS) B too many pulses
- P0378 Ignition timing sensor (HRS) B pulse intermittent missing
- P0379 Ignition timing sensor (HRS) B no pulse
- P0380 Glow plug or HVAC circuit fault
- P0381 Glow plug or HVAC indicator fault
- P0385 Crankshaft position sensor B fault
- P0386 Crankshaft position sensor B adjustment abnormal or performance fault
- P0387 Crankshaft position sensor B voltage too low
- P0388 Crankshaft position sensor B voltage too low
- P0389 Crankshaft position sensor B circuit poor contact
- P0400 EGR control system fault
- P0401 EGR flow insufficient
- P0402 EGR flow excessive
- P0403 EGR control circuit fault
- P0404 EGR system adjustment abnormal
- P0405 EGR sensor A voltage too low
- P0406 EGR sensor A voltage too high
- P0407 EGR sensor B voltage too low
- P0408 EGR sensor B voltage too high
- P0410 Secondary air injection system fault
- P0411 Secondary air injector air flow fault
- P0412 Secondary air injector solenoid A fault
- P0413 Secondary air injector solenoid A normally On
- P0414 Secondary air injector solenoid A normally Off
- P0415 Secondary air injector solenoid B fault
- P0416 Secondary air injector solenoid B normally On
- P0417 Secondary air injector solenoid B normally Off
- P0420 Upstream catalytic converter efficiency poor
- P0421 Upstream reheating catalytic converter efficiency poor
- P0422 Upstream main catalytic converter efficiency decrease
- P0423 Upstream heating catalytic converter efficiency decrease
- P0424 Upstream heating catalytic converter temperature insufficient
- P0430 Upstream catalytic converter efficiency poor
- P0431 Upstream reheating catalytic converter efficiency poor
- P0432 Upstream main catalytic converter efficiency decrease
- P0433 Upstream heating catalytic converter efficiency decrease

- P0434 Upstream heating catalytic converter temperature insufficient
- P0440 Charcoal canister control system fault
- P0441 Charcoal canister cleaning air flow fault
- P0442 Charcoal canister very small leakage
- P0443 Canister solenoid circuit fault (CANP)
- P0444 Charcoal canister solenoid circuit open
- P0445 Charcoal canister solenoid signal circuit short
- P0446 Charcoal canister exhaust control fault
- P0447 Charcoal canister exhaust control normally On
- P0448 Charcoal canister exhaust control normally Off
- P0450 Charcoal canister pressure sensor fault
- P0451 Charcoal canister pressure sensor adjustment abnormal
- P0452 Charcoal canister pressure sensor voltage too low
- P0453 Charcoal canister pressure sensor voltage too low
- P0454 Charcoal canister pressure sensor poor connected
- P0455 Charcoal canister gross leakage
- P0460 Fuel level position sensor circuit fault
- P0461 Fuel level position sensor adjustment abnormal
- P0462 Fuel level position sensor voltage too low
- P0463 Fuel level position sensor voltage too high
- P0464 Fuel level position sensor circuit poor connected
- P0465 Cleaning air flow sensor circuit fault
- P0466 Cleaning air flow sensor adjustment abnormal
- P0467 Cleaning air flow sensor voltage too low
- P0468 Cleaning air flow sensor voltage too high
- P0469 Cleaning air flow sensor circuit poor connected
- P0470 Exhaust pressure sensor circuit fault
- P0471 Exhaust pressure sensor adjustment abnormal
- P0472 Exhaust pressure sensor voltage too low
- P0473 Exhaust pressure sensor voltage too high
- P0474 Exhaust pressure sensor circuit poor connected
- P0475 Exhaust pressure solenoid control circuit fault
- P0476 Exhaust pressure solenoid control circuit adjustment abnormal
- P0477 Exhaust pressure solenoid control circuit voltage too low
- P0478 Exhaust pressure solenoid control circuit voltage too high
- P0479 Exhaust pressure solenoid control circuit poor contact
- P0480 Fan 1 drive circuit open or short
- P0481 Fan drive circuit open or short

- P0500 (VSS) vehicle speed signal sensor fault
- P0501 Vehicle speed signal sensor (VSS) adjustment abnormal or performance fault
- P0502 Vehicle speed signal sensor (VSS) circuit voltage too low
- P0503 Vehicle speed signal sensor (VSS) poor contact or performance unstable
- P0505 Idle speed control system (IAC) fault
- P0506 Low idle
- P0507 High idle
- P0510 Throttle control switch fault
- P0530 A/C refrigerant pressure sensor fault
- P0531 A/C refrigerant pressure sensor adjustment abnormal
- P0532 A/C refrigerant pressure sensor voltage too low
- P0533 A/C refrigerant pressure sensor voltage too high
- P0534 A/C refrigerant pressure sensor leakage
- P0550 Power steering pressure sensor circuit fault
- P0551 Power steering pressure sensor adjustment abnormal or performance fault
- P0552 Power steering pressure sensor circuit voltage too low
- P0553 Power steering pressure sensor circuit voltage too high
- P0554 Power steering pressure sensor circuit poor contact
- P0560 System voltage fault
- P0561 System voltage unstable
- P0562 System voltage too low
- P0563 System voltage too high
- P0565 Cruise control On signal fault
- P0566 Cruise control Off signal fault
- P0567 Cruise control Resume signal fault
- P0568 Cruise control Set signal fault
- P0569 Cruise control Coast signal fault
- P0570 Cruise control Accelerate signal fault
- P0571 Cruise control switch circuit A fault
- P0572 Cruise control switch circuit A voltage too low
- P0573 Cruise control switch circuit A voltage too low
- P0600 Serial signal wire fault
- P0601 Internal memory check error
- P0602 Control module programming error
- P0603 Internal control module KAM error
- P0604 Internal control module RAM error
- P0605 Internal control module ROM error
- P0606 Powertrain control module (PCM) processor fault

- P0700 Powertrain control system fault
- P0701 Powertrain control system adjustment abnormal or performance fault
- P0702 Powertrain control system appliance fault
- P0703 TCC (torque converter clutch) control brake switch B circuit fault
- P0704 Clutch switch input circuit fault
- P0705 Transmission range switch signal fault
- P0706 Transmission range switch adjustment abnormal or performance fault
- P0707 Range switch (MLP) signal too low
- P0708 Range switch (MLP) signal too high
- P0709 Range switch (MLP) signal intermittent
- P0710 Transmission temperature sensor fault
- P0711 Transmission temperature sensor adjustment abnormal or performance fault
- P0712 Transmission temperature sensor voltage too high
- P0713 Transmission temperature sensor voltage too low
- P0714 Transmission temperature sensor circuit poor contact
- P0715 Transmission input shaft speed sensor fault
- P0716 Transmission input shaft speed sensor adjustment abnormal or performance fault
- P0717 Transmission input shaft speed sensor no signal
- P0718 Transmission input shaft speed sensor circuit poor contact
- P0719 TCC (torque converter clutch) control brake switch B circuit voltage too low
- P0720 Transmission output shaft speed sensor (OSS) circuit fault
- P0721 Transmission output shaft speed sensor adjustment abnormal or performance fault
- P0722 Transmission output shaft speed sensor no signal
- P0723 Transmission output shaft speed sensor circuit poor contact
- P0724 TCC (torque converter clutch) control brake switch B circuit voltage too high
- P0725 Engine speed sensor circuit fault
- P0726 Engine speed sensor adjustment abnormal or performance fault
- P0727 Engine speed sensor no signal
- P0728 Engine speed sensor circuit poor contact
- P0730 Incorrect gear ratio
- P0731 Gear 1 ratio incorrect
- P0732 Gear 2 ratio incorrect
- P0733 Gear 3 ratio incorrect
- P0734 Gear 4 ratio incorrect
- P0735 Gear 5 ratio incorrect
- P0736 Reverse gear incorrect ratio
- P0740 TCC (torque converter clutch) circuit fault
- P0741 TCC (torque converter clutch) solenoid stuck at fully closed position

- P0742 TCC (torque converter clutch) solenoid stuck at open position
- P0743 TCC (torque converter clutch) solenoid control circuit fault
- P0744 TCC (torque converter clutch) solenoid control circuit poor contact
- P0745 Pressure control solenoid coil fault
- P0746 Pressure control solenoid stuck at fully closed position
- P0747 Pressure control solenoid stuck at fully open position
- P0748 Pressure control solenoid circuit fault
- P0749 Pressure control solenoid circuit poor contact
- P0750 Transmission range switch circuit fault
- P0751 First shift solenoid (SS1) stuck at fully closed position
- P0752 First shift solenoid (SS1) stuck at open position
- P0753 First shift solenoid circuit short or open
- P0754 First shift solenoid circuit poor contact
- P0755 Second shift solenoid circuit poor contact
- P0756 Second shift solenoid (SS2) stuck at fully closed position
- P0757 Second shift solenoid (SS2) stuck at fully open position
- P0758 Second shift solenoid circuit short or open
- P0759 Second shift solenoid circuit poor contact
- P0760 Third shift solenoid circuit fault
- P0761 Third shift solenoid (SS3) stuck at fully closed position
- P0762 Third shift solenoid (SS3) stuck at fully open position
- P0763 Third shift solenoid circuit short or open
- P0764 Third shift solenoid circuit poor contact
- P0765 Fourth shift solenoid circuit fault
- P0766 Fourth shift solenoid (SS4) stuck at fully closed position
- P0767 Fourth shift solenoid (SS4) stuck at fully open position
- P0768 Fourth shift solenoid circuit short or open
- P0769 Fourth shift solenoid circuit poor contact
- P0770 Fifth shift solenoid circuit fault
- P0771 Fifth shift solenoid (SS5) stuck at fully closed position
- P0772 Fifth shift solenoid (SS5) stuck at fully open position
- P0773 Fifth shift solenoid circuit short or open
- P0774 Fifth shift solenoid circuit poor contact
- P0780 Shift error
- P0781 Gear selection 1-2 shift malfunction
- P0782 Gear selection 2-3 shift malfunction
- P0783 Gear selection 3-4 shift malfunction
- P0784 Gear selection 4-5 shift malfunction

- P0785 Shift timing solenoid circuit fault
- P0786 Shift timing solenoid adjustment abnormal or performance fault
- P0787 Shift timing solenoid circuit voltage too low
- P0788 Shift timing solenoid circuit voltage too high
- P0789 Shift timing solenoid circuit poor contact
- P0790 NORM/PERFORM switch circuit fault
- P1000 EEC-V can't be connected to OBD-II
- P1100 Air flow sensor circuit intermittent open
- P1101 Air flow meter signal out of range
- P1102 IAC/ICC/fan relay control transistor faulty
- P1106 Mass or volume air flow sensor input voltage high
- P1107 Mass or volume air flow sensor input voltage low
- P1111 Intake air temperature sensor
- P1112 Intake air temperature (IAT) circuit intermittent
- P1114 Engine coolant temperature sensor intermittently open circuit
- P1115 Engine coolant temperature sensor faulty
- P1116 Engine coolant temperature (ECT) signal out of range
- P1117 Engine coolant temperature (ECT) signal intermittent fault
- P1120 Throttle Position (TP) signal voltage too low
- P1121 Throttle Position Sensor (TPS) signal and Mass Air Flow (MAF) signal mismatch
- P1122 Throttle Position Sensor (TPS) signal and Mass Air Flow (MAF) signal mismatch
- P1124 Throttle position (TP) signal out of range
- P1125 Throttle position (TP) circuit intermittent
- P1130 Front main O2 sensor signal change small
- P1131 Front main O2 sensor signal too low (lean)
- P1132 Front main O2 sensor signal too high (rich)
- P1133 Front main O2 sensor voltage no change
- P1134 Front main O2 sensor signal
- P1135 Front main O2 sensor signal
- P1137 Front sub O2 sensor signal too low (rich)
- P1138 Front sub O2 sensor signal too high (rich)
- P1150 Rear main O2 sensor voltage signal change small
- P1151 Rear main O2 sensor voltage signal too low (lean)
- P1152 Rear main O2 sensor voltage signal too high (rich)
- P1154 Rear main O2 sensor signal
- P1155 Rear main O2 sensor signal
- P1157 Rear sub O2 sensor signal too low (lean)
- P1158 Rear sub O2 sensor voltage high (mixing ratio rich)

P1220 Throttle in serial control faulty
 P1224 Throttle position sensor B signal out of range
 P1233 Fuel pump driver module disengaged (MIL On)
 P1234 Fuel pump driver module disengaged
 P1235 Fuel pump control signal out of range (MIL On)
 P1236 Fuel pump control signal out of range
 P1237 Fuel pump auxiliary circuit malfunction (MIL on)
 P1238 Fuel pump auxiliary circuit
 P1257 Turbocharger control solenoid circuit.
 P1260 Engine immobilizer invalid
 P1270 RPM or VEH speed limiter
 P1274 Injector 1 circuit
 P1291 Hot air inlet
 P1292 Mixture pressure too high
 P1293 Mixture pressure too low
 P1294 Idle speed unstable (IDLE SPEED PERFORMANCE)
 P1295 Throttle position sensor without 5Vsupply
 P1296 Intake air pressure sensor without 5Vsupply
 P1297 MAP PNEUMATIC CHANGE
 P1298 WIDE open circuit THROTTLE LEAN
 P1299 Engine overheat (FORD)
 P1300 IGF or GT ignition signal faulty
 P1307 Accelerator pedal sensor voltage signal too low
 P1308 Accelerator pedal sensor voltage signal too high
 P1310 At least one cylinder no ignition intermittently
 P1326 Knock control circuit or main ECU fault
 P1329 Knock control circuit or main ECU fault
 P1350 EST circuit fault
 P1351 Ignition trigger signal (IDM) circuit fault
 P1352 Group A high voltage coil malfunction (1# cylinder, 6# cylinder)
 P1353 Group B high voltage coil malfunction (3# cylinder, 5# cylinder)
 P1354 Group C high voltage coil malfunction (4# cylinder, 7# cylinder)
 P1355 Group D high voltage coil malfunction (2# cylinder, 8# cylinder)
 P1356 IDM pulse signal fault
 P1357 IDM pulse width not defined
 P1358 IDM signal out of range
 P1361 EST BY PASS circuit fault
 P1364 High voltage coil low voltage circuit

P1374 Crankshaft LOWRES CORRELATE
P1381 ABS rough road test system error
P1390 Octane value adjustment circuit fault
P1391 CAM/Crankshaft position sensor LOSS
P1392 NO PEAK PRI #2WITH MAX DWELL TIME
P1393 NO PEAK PRI #3WITH MAX DWELL TIME
P1394 NO PEAK PRI #4WITH MAX DWELL TIME
P1395 NO PEAK PRI #5WITH MAX DWELL TIME
P1398 Crank sensor faulty
P1399 WAI TO STRT LMP CKT
P1400 EGR electromagnetic frequency valve voltage too low
P1401 EGR electromagnetic frequency valve voltage too high
P1403 EGR solenoid control faulty
P1404 EGR solenoid control faulty
P1405 EGR solenoid control faulty or low speed fan circuit faulty
P1406 EGR position sensor faulty
P1407 EGR solenoid stuck at fully closed position
P1408 EGR valve control flow out of range
P1409 EVR control circuit faulty
P1413 Auxiliary air injection circuit voltage too low
P1414 Auxiliary air injection circuit voltage too high
P1416 EGR temperature sensor circuit faulty
P1417 EGR temperature sensor signal too low
P1418 EGR temperature sensor signal too high
P1441 Evaporative system fault
P1442 Purge solenoid fault
P1443 Evaporative emission purge fault
P1444 Purge flow sensor circuit input voltage too low
P1445 Purge flow sensor circuit input voltage too high
P1460 A/C switch signal fault
P1461 A/C PRESSURE CKT HIGHT INPUT
P1462 A/C PRESSURE CKT LOW INPUT
P1463 A/C pressure change insufficient
P1464 A/C requirement excessive
P1469 A/C cycling too short
P1473 Auxiliary fan can't be operated at high speed
P1474 Low speed fan control faulty
P1479 High speed fan control faulty

- P1480 Auxiliary fan always at low speed control
- P1481 Auxiliary fan always at high speed control
- P1486 EVAP HOSE PINCHED
- P1487 HI SPD FAN #2CKT
- P1488 AUX 5VOLT LOW OUTPUT
- P1489 High speed fan relay circuit
- P1490 Low speed fan relay circuit
- P1491 Radiator fan relay circuit
- P1492 Ambient temperature sensor voltage too high
- P1493 Ambient temperature sensor voltage too low
- P1494 Leakage detection pump pressure switch
- P1495 Leakage detection pump solenoid circuit
- P1496 5V output too low
- P1500 Vehicle speed signal (VSS) intermittent
- P1505 IAC idle control faulty
- P1506 Idle air control (IAC) On signal too high
- P1507 Idle air control (IAC) Off signal too low
- P1508 Idle air control (IAC) Off signal too high
- P1509 Idle speed control (too high)
- P1518 Intake manifold impeller stuck Open
- P1519 Intake manifold impeller stuck Closed
- P1520 Intake manifold impeller malfunction, Parking/Neutral switch circuit short
- P1530 Refrigerant pressure switch faulty
- P1531 Refrigerant pressure too low or pressure switch faulty
- P1550 Cruise control motor faulty, automatic adjustment seat pressure out of range (FORD)
- P1554 Cruise control MTR connection error
- P1558 Cruise control valve position sensor signal too low
- P1561 Cruise control air control solenoid fault
- P1562 Cruise control vacuum solenoid fault
- P1565 Cruise control valve position sensor fault
- P1567 Cruise control function switch fault
- P1568 Cruise control valve position sensor signal too high
- P1571 ABS load signal error
- P1573 ABS load circuit open
- P1596 Power steering switch input status faulty
- P1598 A/C pressure sensor input voltage too low
- P1599 A/C pressure sensor input voltage too low (Chrysler); cruise control valve power supply fault
- P1600 Power supply open circuit

- P1605 Engine ECU Keep Alive Memory (KAM) fault
- P1610 Flash memory (FLASH EPROM) reprogramming error
- P1611 Flash memory (FLASH EPROM) reprogramming error
- P1612 Flash memory (FLASH EPROM) reprogramming error
- P1613 Flash memory (FLASH EPROM) reprogramming error
- P1614 Flash memory (FLASH EPROM) reprogramming error
- P1615 Flash memory (FLASH EPROM) reprogramming error
- P1616 Flash memory (FLASH EPROM) reprogramming error
- P1617 ECMB26 and TCMB15 connection signal too low; flash memory (FLASH EPROM) reprogramming error (FORD)
- P1618 ECMB26 and TCMB15 connection signal too high; flash memory (FLASH EPROM) reprogramming error (FORD)
- P1619 Oil life zeroing circuit faulty, flash memory (FLASH EPROM) reprogramming error (FORD)
- P1620 Flash memory (FLASH EPROM) reprogramming error
- P1623 Electrically programmable read-only memory (PROM) faulty
- P1626 After engine started, gasoline pump control open circuit
- P1629 When motor ON, gasoline pump control open circuit
- P1630 Power supply voltage below 9V or above 17.3 V
- P1635 VSBA voltage circuit malfunction
- P1639 VSBB voltage circuit malfunction
- P1640 EVAP, TCC, fan circuit malfunction
- P1641 ODMA output 1 circuit malfunction
- P1642 ODMA output 2 circuit malfunction
- P1643 ODMA output 3 circuit malfunction
- P1644 ODMA output 4 circuit malfunction
- P1645 ODMA output 5 circuit malfunction
- P1646 ODMA output 6 circuit malfunction
- P1647 ODMA output 7 circuit malfunction
- P1650 Shift solenoid, TCC (Torque Converter Clutch), EGR valve circuit malfunction; automatic regulation seat sensor out of range (FORD)
- P1651 ODMB output 1 circuit malfunction
- P1652 ODMB output 2 circuit malfunction
- P1653 ODMB output 3 circuit malfunction
- P1654 ODMB output 4 circuit malfunction
- P1655 ODMB output 5 circuit malfunction
- P1656 ODMB output 6 circuit malfunction
- P1657 ODMB output 7 circuit malfunction
- P1661 ODMC output 1 circuit malfunction

P1662 ODMC output 2 circuit malfunction
P1663 ODMC output 3 circuit malfunction
P1664 ODMC output 4 circuit malfunction
P1665 ODMC output 5 circuit malfunction
P1666 ODMC output 6 circuit malfunction
P1667 ODMC output 7 circuit malfunction
P1670 MIL control circuit malfunction
P1671 ODMD output 1 circuit malfunction
P1672 ODMD output 2 circuit malfunction
P1673 ODMD output 3 circuit malfunction
P1674 ODMD output 4 circuit malfunction
P1675 ODMD output 5 circuit malfunction
P1676 ODMD output 6 circuit malfunction
P1677 ODMD output 7 circuit malfunction
P1698 NO CCD MESGS RECVD TRANS CNTRL MOD
P1699 NO CCD MESGS RECVD PWRTRAIN CNTRL MOD
P1701 Reverse engaged error
P1703 Brake switch (BOO) signal faulty
P1705 Range switch (MLP) signal out of range
P1709 Range switch no Parking signal
P1711 Transmission fluid temperature (TFT) out of range
P1715 Transmission fluid pressure solenoid faulty
P1729 4X4L switch faulty
P1730 4X4 too low
P1731 1/2 shift error
P1732 2/3 shift error
P1733 3/4 shift error
P1741 TCC engagement malfunction
P1742 TCC solenoid stuck
P1743 TCC solenoid stuck
P1744 TCC solenoid stuck at fully closed position
P1746 Transmission line pressure solenoid (EPC) open circuit
P1747 Transmission line pressure solenoid (EPC) short circuit
P1749 Transmission line pressure solenoid (EPC) faulty
P1750 Transmission shift solenoid faulty
P1751 1st shift solenoid (SSI) faulty
P1752 1st shift solenoid (SSI) faulty
P1754 Coast clutch control faulty

P1756 Shift solenoid B faulty
 P1761 Shift solenoid C faulty
 P1762 GOV pressure sensor faulty
 P1763 GOV pressure sensor voltage too high
 P1764 GOV pressure sensor voltage too low
 P1765 Transmission line pressure solenoid
 P1766 Shift solenoid D faulty
 P1780 Transmission TCS switch circuit faulty
 P1781 4X4L switch faulty
 P1783 Transmission TOT fluid temperature too high
 P1784 Transmission 1st gear, reverse gear mechanical fault
 P1785 Transmission 1st gear, 2nd gear mechanical fault
 P1788 VFS open circuit
 P1789 VFS short circuit
 P1801 Transmission clutch interlock safety switch circuit open
 P1802 Transmission clutch interlock safety switch circuit short to battery
 P1810 Torque control communication circuit faulty
 P1811 Four wheel drive low speed indicator short circuit to ground
 P1812 Four wheel drive mode selection switch open circuit
 P1814 Torque converter too tight
 P1860 Torque converter solenoid circuit malfunction (HMD)
 P1864 Torque converter solenoid circuit malfunction (HMD)
 P1870 Transmission component loose
 P1871 Gear ratio undefined
 P1886 3 to 2 gear clutch circuit malfunction
 P1889 3 gear clutch switch malfunction (HMD)
 P1899 Park/Neutral switch input status error
 C0200 FR wheel speed sensor fault
 C0201 FR wheel speed sensor adjustment abnormal or performance fault
 C0202 FR wheel speed sensor voltage too low
 C0203 FR wheel speed sensor voltage too high
 C0205 FL wheel speed sensor fault
 C0206 FL wheel speed sensor adjustment abnormal or performance fault
 C0207 FL wheel speed sensor voltage too low
 C0208 FL wheel speed sensor voltage too high
 C0210 RR wheel speed sensor fault
 C0211 RR wheel speed sensor adjustment abnormal or performance fault
 C0212 RR wheel speed sensor voltage too low

- C0213 RR wheel speed sensor voltage too high
- C0215 RL wheel speed sensor fault
- C0216 RL wheel speed sensor adjustment abnormal or performance fault
- C0217 RL wheel speed sensor voltage too low
- C0218 RL wheel speed sensor voltage too high
- C0220 Rear wheel speed sensor fault
- C0221 Rear wheel speed sensor adjustment abnormal or performance fault
- C0222 Rear wheel speed sensor voltage too low
- C0223 Rear wheel speed sensor voltage too high
- C0225 Wheel speed sensor frequency error
- C0226 FR wheel ABS coil or motor #1 circuit fault
- C0227 FR wheel ABS coil or motor #1 circuit adjustment abnormal or performance fault
- C0228 FR wheel ABS coil or motor #1 circuit voltage too low
- C0229 FR wheel ABS coil or motor #1 circuit voltage too high
- C0231 FR wheel ABS coil or motor #2 circuit fault
- C0232 FR wheel ABS coil or motor #2 circuit adjustment abnormal or performance fault
- C0233 FR wheel ABS coil or motor #2 circuit voltage too low
- C0234 FR wheel ABS coil or motor #2 circuit voltage too high
- C0236 FL wheel ABS coil or motor #1 circuit fault
- C0237 FL wheel ABS coil or motor #1 circuit adjustment abnormal or performance fault
- C0238 FL wheel ABS coil or motor #1 circuit voltage too low
- C0239 FL wheel ABS coil or motor #1 circuit voltage too high
- C0241 FL wheel ABS coil or motor #2 circuit fault
- C0242 FL wheel ABS coil or motor #2 circuit adjustment abnormal or performance fault
- C0243 FL wheel ABS coil or motor #2 circuit voltage too low
- C0244 FL wheel ABS coil or motor #2 circuit voltage too high
- C0246 RR wheel ABS coil or motor #1 circuit fault
- C0247 RR wheel ABS coil or motor #1 circuit adjustment abnormal or performance fault
- C0248 RR wheel ABS coil or motor #1 circuit voltage too low
- C0249 RR wheel ABS coil or motor #1 circuit voltage too high
- C0251 RR wheel ABS coil or motor #2 circuit fault
- C0252 RR wheel ABS coil or motor #2 circuit adjustment abnormal or performance fault
- C0253 RR wheel ABS coil or motor #2 circuit voltage too low
- C0254 RR wheel ABS coil or motor #2 circuit voltage too high
- C0256 RL wheel ABS coil or motor #1 circuit fault
- C0257 RL wheel ABS coil or motor #1 circuit adjustment abnormal or performance fault
- C0258 RL wheel ABS coil or motor #1 circuit voltage too low
- C0259 RL wheel ABS coil or motor #1 circuit voltage too high

- C0261 RL wheel ABS coil or motor #2 circuit fault
- C0262 RL wheel ABS coil or motor #2 circuit adjustment abnormal or performance fault
- C0263 RL wheel ABS coil or motor #2 circuit voltage too low
- C0264 RL wheel ABS coil or motor #2 circuit voltage too high
- C0266 Water pump motor circuit fault
- C0267 Water pump motor circuit adjustment abnormal or performance fault
- C0268 Water pump motor circuit voltage too low
- C0269 Water pump motor circuit voltage too high
- C0271 Water pump motor relay circuit fault
- C0272 Water pump motor relay circuit adjustment abnormal or performance fault
- C0273 Water pump motor relay circuit voltage too low
- C0274 Water pump motor relay circuit voltage too high
- C0276 Solenoid relay circuit fault
- C0277 Solenoid relay circuit adjustment abnormal or performance fault
- C0278 Solenoid relay circuit voltage too low
- C0279 Solenoid relay circuit voltage too high
- C0300 FR wheel TCS coil or motor #1 circuit fault
- C0301 FR wheel TCS coil or motor #1 circuit adjustment abnormal or performance fault
- C0302 FR wheel TCS coil or motor #1 circuit voltage too low
- C0303 FR wheel TCS coil or motor #1 circuit voltage too high
- C0305 FR wheel TCS coil or motor #2 circuit fault
- C0306 FR wheel TCS coil or motor #2 circuit adjustment abnormal or performance fault
- C0307 FR wheel TCS coil or motor #2 circuit voltage too low
- C0308 FR wheel TCS coil or motor #2 circuit voltage too high
- C0310 FL wheel TCS coil or motor #1 circuit fault
- C0311 FL wheel TCS coil or motor #1 circuit adjustment abnormal or performance fault
- C0312 FL wheel TCS coil or motor #1 circuit voltage too low
- C0313 FL wheel TCS coil or motor #1 circuit voltage too high
- C0315 FL wheel TCS coil or motor #2 circuit fault
- C0316 FL wheel TCS coil or motor #2 circuit adjustment abnormal or performance fault
- C0317 FL wheel TCS coil or motor #2 circuit voltage too low
- C0318 FL wheel TCS coil or motor #2 circuit voltage too high
- C0320 RR wheel TCS coil or motor #1 circuit fault
- C0321 RR wheel TCS coil or motor #1 circuit adjustment abnormal or performance fault
- C0322 RR wheel TCS coil or motor #1 circuit voltage too low
- C0323 RR wheel TCS coil or motor #1 circuit voltage too high
- C0325 RR wheel TCS coil or motor #2 circuit fault
- C0326 RR wheel TCS coil or motor #2 circuit adjustment abnormal or performance fault

- C0327 RR wheel TCS coil or motor #2 circuit voltage too low
- C0328 RR wheel TCS coil or motor #2 circuit voltage too high
- C0330 RL wheel TCS coil or motor #1 circuit fault
- C0331 RL wheel TCS coil or motor #1 circuit adjustment abnormal or performance fault
- C0332 RL wheel TCS coil or motor #1 circuit voltage too low
- C0333 RL wheel TCS coil or motor #1 circuit voltage too high
- C0335 RL wheel TCS coil or motor #2 circuit fault
- C0336 RL wheel TCS coil or motor #2 circuit adjustment abnormal or performance fault
- C0337 RL wheel TCS coil or motor #2 circuit voltage too low
- C0338 RL wheel TCS coil or motor #2 circuit voltage too high
- C0340 ABS/TCS brake switch circuit fault
- C0341 ABS/TCS brake switch circuit adjustment abnormal or performance fault
- C0342 ABS/TCS brake switch circuit voltage too low
- C0343 ABS/TCS brake switch circuit voltage too high
- C0345 Brake oil used up indicator circuit fault
- C0346 Brake oil used up indicator circuit adjustment abnormal or performance fault
- C0347 Brake oil used up indicator circuit voltage too low
- C0348 Brake oil used up indicator circuit voltage too high
- C0350 Rear wheel coil or motor #1 circuit fault
- C0351 Rear wheel coil or motor #1 circuit adjustment abnormal or performance fault
- C0352 Rear wheel coil or motor #1 circuit voltage too low
- C0353 Rear wheel coil or motor #1 circuit voltage too high
- C0355 Throttle valve control motor circuit fault
- C0356 Throttle valve control motor circuit adjustment abnormal or performance fault
- C0357 Throttle valve control motor circuit voltage too low
- C0358 Throttle valve control motor circuit voltage too high
- C0360 System pressure control circuit fault
- C0361 System pressure control circuit adjustment abnormal or performance fault
- C0362 System pressure control circuit voltage too low
- C0363 System pressure control circuit voltage too high
- C0365 Side acceleration measurer circuit fault
- C0366 Side acceleration measurer circuit adjustment abnormal or performance fault
- C0367 Side acceleration measurer circuit voltage too low
- C0368 Side acceleration measurer circuit voltage too high
- C0370 Yaw rate detection circuit fault
- C0371 Yaw rate detection circuit adjustment abnormal or performance fault
- C0372 Yaw rate detection circuit voltage too low
- C0373 Yaw rate detection circuit voltage too high

C0500 Steering solenoid circuit fault
 C0501 Steering solenoid circuit adjustment abnormal or performance fault
 C0502 Steering solenoid circuit voltage too low
 C0503 Steering solenoid circuit voltage too high
 C0505 Steering angle sensor fault
 C0506 Steering angle sensor adjustment abnormal or performance fault
 C0507 Steering angle sensor voltage too low
 C0508 Steering angle sensor voltage too high
 C0510 Steering rate sensor fault
 C0511 Steering rate sensor adjustment abnormal or performance fault
 C0512 Steering rate sensor voltage too low
 C0513 Steering rate sensor voltage too high
 C0700 FL wheel solenoid circuit fault
 C0701 FL wheel solenoid circuit adjustment abnormal or performance fault
 C0702 FL wheel solenoid circuit voltage too low
 C0703 FL wheel solenoid circuit voltage too high
 C0705 FR wheel solenoid circuit fault
 C0706 FR wheel solenoid circuit adjustment abnormal or performance fault
 C0707 FR wheel solenoid circuit voltage too low
 C0708 FR wheel solenoid circuit voltage too high
 C0710 RL wheel solenoid circuit fault
 C0711 RL wheel solenoid circuit adjustment abnormal or performance fault
 C0712 RL wheel solenoid circuit voltage too low
 C0713 RL wheel solenoid circuit voltage too high
 C0715 RR wheel solenoid circuit fault
 C0716 RR wheel solenoid circuit adjustment abnormal or performance fault
 C0717 RR wheel solenoid circuit voltage too low
 C0718 RR wheel solenoid circuit voltage too high
 C0720 FL wheel acceleration measurer circuit fault
 C0721 FL wheel acceleration measurer circuit adjustment abnormal or performance fault
 C0722 FL wheel acceleration measurer circuit voltage too low
 C0723 FL wheel acceleration measurer circuit voltage too high
 C0725 FR wheel acceleration measurer circuit fault
 C0726 FR wheel acceleration measurer circuit adjustment abnormal or performance fault
 C0727 FR wheel acceleration measurer circuit voltage too low
 C0728 FR wheel acceleration measurer circuit voltage too high
 C0730 RL wheel acceleration measurer circuit fault
 C0731 RL wheel acceleration measurer circuit adjustment abnormal or performance fault

- C0732 RL wheel acceleration measurer circuit voltage too low
- C0733 RL wheel acceleration measurer circuit voltage too high
- C0735 RR wheel acceleration measurer circuit fault
- C0736 RR wheel acceleration measurer circuit adjustment abnormal or performance fault
- C0737 RR wheel acceleration measurer circuit voltage too low
- C0738 RR wheel acceleration measurer circuit voltage too high
- C0740 FL wheel position sensor circuit fault
- C0741 FL wheel position sensor adjustment abnormal or performance fault
- C0742 FL wheel position sensor circuit voltage too low
- C0743 FL wheel position sensor circuit voltage too high
- C0745 FR wheel position sensor circuit fault
- C0746 FR wheel position sensor adjustment abnormal or performance fault
- C0747 FR wheel position sensor circuit voltage too low
- C0748 FR wheel position sensor circuit voltage too high
- C0750 RL wheel position sensor circuit fault
- C0751 RL wheel position sensor adjustment abnormal or performance fault
- C0752 RL wheel position sensor circuit voltage too low
- C0753 RL wheel position sensor circuit voltage too high
- C0755 RR wheel position sensor circuit fault
- C0756 RR wheel position sensor adjustment abnormal or performance fault
- C0757 RR wheel position sensor circuit voltage too low
- C0758 RR wheel position sensor circuit voltage too high
- B0100 Driver frontal airbag circuit fault
- B0101 Driver frontal airbag circuit adjustment abnormal or performance fault
- B0102 Driver frontal airbag circuit voltage too low
- B0103 Driver frontal airbag circuit voltage too high
- B0105 Passenger frontal airbag circuit fault
- B0106 Passenger frontal airbag circuit adjustment abnormal or performance fault
- B0107 Passenger frontal airbag circuit voltage too low
- B0108 Passenger frontal airbag circuit voltage too high
- B0110 Driver side airbag circuit fault
- B0111 Driver side airbag circuit adjustment abnormal or performance fault
- B0112 Driver side airbag circuit voltage too low
- B0113 Driver side airbag circuit voltage too high
- B0115 Passenger side airbag circuit fault
- B0116 Passenger side airbag circuit adjustment abnormal or performance fault
- B0117 Passenger side airbag circuit voltage too low
- B0118 Passenger side airbag circuit voltage too high

- B0120 No.1 belt switch circuit fault
- B0121 No.1 belt switch circuit adjustment abnormal or performance fault
- B0122 No.1 belt switch circuit voltage too low
- B0123 No.1 belt switch circuit voltage too high
- B0125 No.2 belt switch circuit fault
- B0126 No.2 belt switch circuit adjustment abnormal or performance fault
- B0127 No.2 belt switch circuit voltage too low
- B0128 No.2 belt switch circuit voltage too high
- B0130 No.1 belt retraction circuit fault
- B0131 No.1 belt retraction circuit adjustment abnormal or performance fault
- B0132 No.1 belt retraction circuit voltage too low
- B0133 No.1 belt retraction circuit voltage too high
- B0135 No.2 belt retraction circuit fault
- B0136 No.2 belt retraction circuit adjustment abnormal or performance fault
- B0137 No.2 belt retraction circuit voltage too low
- B0138 No.2 belt retraction circuit voltage too high
- B0300 No.1 cooling fan circuit fault
- B0301 No.1 cooling fan circuit adjustment abnormal or performance fault
- B0302 No.1 cooling fan circuit voltage too low
- B0303 No.1 cooling fan circuit voltage too high
- B0305 No.2 cooling fan circuit fault
- B0306 No.2 cooling fan circuit adjustment abnormal or performance fault
- B0307 No.2 cooling fan circuit voltage too low
- B0308 No.2 cooling fan circuit voltage too high
- B0310 A/C clutch circuit fault
- B0311 A/C clutch circuit adjustment abnormal or performance fault
- B0312 A/C clutch circuit voltage too low
- B0313 A/C clutch circuit voltage too high
- B0315 No.1 A/C pressure control circuit fault
- B0316 No.1 A/C pressure control circuit adjustment abnormal or performance fault
- B0317 No.1 A/C pressure control circuit voltage too low
- B0318 No.1 A/C pressure control circuit voltage too high
- B0320 No.2 A/C pressure control circuit fault
- B0321 No.2 A/C pressure control circuit adjustment abnormal or performance fault
- B0322 No.2 A/C pressure control circuit voltage too low
- B0323 No.2 A/C pressure control circuit voltage too high
- B0325 A/C pressure sensor (SIG) circuit fault
- B0326 A/C pressure sensor (SIG) circuit adjustment abnormal or performance fault

- B0327 A/C pressure sensor (SIG) circuit voltage too low
- B0328 A/C pressure sensor (SIG) circuit voltage too high
- B0330 Atmospheric temperature sensor circuit fault
- B0331 Atmospheric temperature sensor circuit adjustment abnormal or performance fault
- B0332 Atmospheric temperature sensor circuit voltage low
- B0333 Atmospheric temperature sensor circuit voltage high
- B0335 No.1 car inside temperature sensor circuit fault
- B0336 No.1 car inside temperature sensor adjustment abnormal or performance fault
- B0337 No.1 car inside temperature sensor circuit voltage low
- B0338 No.1 car inside temperature sensor circuit voltage high
- B0340 No.2 car inside temperature sensor circuit fault
- B0341 No.2 car inside temperature sensor adjustment abnormal or performance fault
- B0342 No.2 car inside temperature sensor circuit voltage low
- B0343 No.2 car inside temperature sensor circuit voltage high
- B0345 No.1 sunlight intensity sensor circuit fault
- B0346 No.1 sunlight intensity sensor circuit adjustment abnormal or performance fault
- B0347 No.1 sunlight intensity sensor circuit voltage low
- B0348 No.1 sunlight intensity sensor circuit voltage high
- B0350 No.2 sunlight intensity sensor circuit fault
- B0351 No.2 sunlight intensity sensor circuit adjustment abnormal or performance fault
- B0352 No.2 sunlight intensity sensor circuit voltage low
- B0353 No.2 sunlight intensity sensor circuit voltage high
- B0355 No.1 blow-in motor speed control circuit fault
- B0356 No.1 blow-in motor speed control circuit adjustment abnormal or performance fault
- B0357 No.1 blow-in motor speed control circuit voltage too low
- B0358 No.1 blow-in motor speed control circuit voltage too high
- B0360 No.1 blow-in motor supply circuit fault
- B0361 No.1 blow-in motor supply circuit adjustment abnormal or performance fault
- B0362 No.1 blow-in motor supply circuit voltage too low
- B0363 No.1 blow-in motor supply circuit voltage too high
- B0365 No.1 blow-in motor ground circuit fault
- B0366 No.1 blow-in motor ground circuit adjustment abnormal or performance fault
- B0367 No.1 blow-in motor ground circuit voltage too low
- B0368 No.1 blow-in motor ground circuit voltage too high
- B0370 A/C high pressure side temperature sensor fault
- B0371 A/C high pressure side temperature sensor adjustment abnormal or performance fault
- B0372 A/C high pressure side temperature sensor voltage too low
- B0373 A/C high pressure side temperature sensor voltage too high

- B0375 A/C evaporation inlet temperature sensor fault
- B0376 A/C evaporation inlet temperature sensor adjustment abnormal or performance fault
- B0377 A/C evaporation inlet temperature sensor voltage too low
- B0378 A/C evaporation inlet temperature sensor voltage too high
- B0380 A/C refrigerant pressure too low
- B0381 A/C refrigerant pressure too high
- B0400 Atmospheric pressure control inlet 1 defrost device fault
- B0401 Atmospheric pressure control inlet 1 defrost device adjustment abnormal or performance fault
- B0402 Atmospheric pressure control inlet 1 defrost device pressure too low
- B0403 Atmospheric pressure control inlet 1 defrost device pressure too high
- B0405 Atmospheric pressure control inlet 2 heating device fault
- B0406 Atmospheric pressure control inlet 2 heating device adjustment abnormal or performance fault
- B0407 Atmospheric pressure control inlet 2 heating device pressure too low
- B0408 Atmospheric pressure control inlet 2 heating device pressure too high
- B0410 Atmospheric pressure control inlet 3 air mixture device fault
- B0411 Atmospheric pressure control inlet 3 air mixture device adjustment abnormal or performance fault
- B0412 Atmospheric pressure control inlet 3 air mixture device pressure too low
- B0413 Atmospheric pressure control inlet 3 air mixture device pressure too high
- B0415 Atmospheric pressure control inlet 4 outlet fault
- B0416 Atmospheric pressure control inlet 4 outlet adjustment abnormal or performance fault
- B0417 Atmospheric pressure control inlet 4 outlet pressure too low
- B0418 Atmospheric pressure control inlet 4 outlet pressure too high
- B0420 Atmospheric pressure control inlet 5 air regulator fault
- B0421 Atmospheric pressure control inlet 5 air regulator adjustment abnormal or performance fault
- B0422 Atmospheric pressure control inlet 5 air regulator pressure too low
- B0423 Atmospheric pressure control inlet 5 air regulator pressure too high
- B0425 Atmospheric pressure control inlet 6 air recirculation fault
- B0426 Atmospheric pressure control inlet 6 air recirculation adjustment abnormal or performance fault
- B0427 Atmospheric pressure control inlet 6 air recirculation pressure too low
- B0428 Atmospheric pressure control inlet 6 air recirculation pressure too high
- B0430 Rear defrost circuit fault
- B0431 Rear defrost circuit adjustment abnormal or performance fault
- B0432 Rear defrost circuit voltage too low
- B0433 Rear defrost circuit voltage too high
- B0435 A/C request circuit fault
- B0436 A/C request circuit adjustment abnormal or performance fault
- B0437 A/C request circuit voltage too low
- B0438 A/C request circuit voltage too high

- B0440 No.1 control head feedback signal fault
- B0441 No.1 control head feedback circuit adjustment abnormal or performance fault
- B0442 No.1 control head feedback signal voltage too low
- B0443 No.1 control head feedback signal voltage too high
- B0445 No.2 control head feedback signal fault
- B0446 No.2 control head feedback circuit adjustment abnormal or performance fault
- B0447 No.2 control head feedback signal voltage too low
- B0448 No.2 control head feedback signal voltage too high
- B0500 Right wheel steering circuit fault
- B0501 Right wheel steering circuit adjustment abnormal or performance fault
- B0502 Right wheel steering circuit voltage too low
- B0503 Right wheel steering circuit voltage too high
- B0505 Left wheel steering circuit fault
- B0506 Left wheel steering circuit adjustment abnormal or performance fault
- B0507 Left wheel steering circuit voltage too low
- B0508 Left wheel steering circuit voltage too high
- B0510 Headlight indicator lamp circuit fault
- B0511 Headlight indicator lamp circuit adjustment abnormal or performance fault
- B0512 Headlight indicator lamp circuit voltage too low
- B0513 Headlight indicator lamp circuit voltage too high
- B0515 Speedometer circuit fault
- B0516 Speedometer circuit adjustment abnormal or performance fault
- B0517 Speedometer circuit voltage too low
- B0518 Speedometer circuit voltage too high
- B0520 Tachometer circuit fault
- B0521 Tachometer circuit adjustment abnormal or performance fault
- B0522 Tachometer circuit voltage too low
- B0523 Tachometer circuit voltage too high
- B0525 Water thermometer circuit fault
- B0526 Water thermometer circuit adjustment abnormal or performance fault
- B0527 Water thermometer circuit voltage too low
- B0528 Water thermometer circuit voltage too high
- B0530 Oil gauge circuit fault
- B0531 Oil gauge circuit adjustment abnormal or performance fault
- B0532 Oil gauge circuit voltage too low
- B0533 Oil gauge circuit voltage too high
- B0535 Barometer circuit fault
- B0536 Barometer circuit adjustment abnormal or performance fault

- B0537 Barometer circuit voltage too low
- B0538 Barometer circuit voltage too high
- B0540 Safety belt indicator circuit fault
- B0541 Safety belt indicator circuit adjustment abnormal or performance fault
- B0542 Safety belt indicator circuit voltage too low
- B0543 Safety belt indicator circuit voltage too high
- B0545 Door not closed indicator lamp No.1 circuit fault
- B0546 Door not closed indicator lamp No.1 circuit adjustment abnormal or performance fault
- B0547 Door not closed indicator lamp No.1 circuit voltage too low
- B0548 Door not closed indicator lamp No.1 circuit voltage too high
- B0550 Door not closed indicator lamp No.2 circuit fault
- B0551 Door not closed indicator lamp No.2 circuit adjustment abnormal or performance fault
- B0552 Door not closed indicator lamp No.2 circuit voltage too low
- B0553 Door not closed indicator lamp No.2 circuit voltage too high
- B0555 Brake indicator lamp circuit fault
- B0556 Brake indicator lamp circuit adjustment abnormal or performance fault
- B0557 Brake indicator lamp circuit voltage too low
- B0558 Brake indicator lamp circuit voltage too high
- B0560 Airbag lamp No.1 circuit fault
- B0561 Airbag lamp No.1 circuit adjustment abnormal or performance fault
- B0562 Airbag lamp No.1 circuit voltage too low
- B0563 Airbag lamp No.1 circuit voltage too high
- B0565 ECURITY OP INFO circuit fault
- B0566 ECURITY OP INFO circuit adjustment abnormal or performance fault
- B0567 ECURITY OP INFO circuit voltage too low
- B0568 ECURITY OP INFO circuit voltage too high
- B0600 Parameter setting error
- B0601 Real-time data memory (KAM) reset
- B0602 Watchdog vibration circuit (OSWATCHDOG COP) fault
- B0603 Memory (EEPROM) write error
- B0604 Memory (EEPROM) calibration error
- B0605 Memory (EEPROM) checksum error
- B0606 Memory (RAM) fault
- B0607 ECU internal error
- B0608 ECU initialization error
- B0800 Device power supply No.1 circuit fault
- B0801 Device power supply No.1 circuit adjustment abnormal or performance fault
- B0802 Device power supply No.1 circuit voltage too low

- B0803 Device power supply No.1 circuit voltage too high
- B0805 Device power supply No.2 circuit fault
- B0806 Device power supply No.2 circuit adjustment abnormal or performance fault
- B0807 Device power supply No.2 circuit voltage too low
- B0808 Device power supply No.2 circuit voltage too high
- B0810 Device power supply No.3 circuit fault
- B0811 Device power supply No.3 circuit adjustment abnormal or performance fault
- B0812 Device power supply No.3 circuit voltage too low
- B0813 Device power supply No.3 circuit voltage too high
- B0815 Device ground No.1 circuit fault
- B0816 Device ground No.1 circuit adjustment abnormal or performance fault
- B0817 Device ground No.1 circuit voltage too low
- B0818 Device ground No.1 circuit voltage too high
- B0820 Device ground No.2 circuit fault
- B0821 Device ground No.2 circuit adjustment abnormal or performance fault
- B0822 Device ground No.2 circuit voltage too low
- B0823 Device ground No.2 circuit voltage too high
- B0825 Device ground No.3 circuit fault
- B0826 Device ground No.3 circuit adjustment abnormal or performance fault
- B0827 Device ground No.3 circuit voltage too low
- B0828 Device ground No.3 circuit voltage too high
- B0830 Ignition circuit #0 fault
- B0831 Ignition circuit #0 adjustment abnormal or performance fault
- B0832 Ignition circuit #0 voltage too low
- B0833 Ignition circuit #0 voltage too high
- B0835 Ignition circuit #1 fault
- B0836 Ignition circuit #1 adjustment abnormal or performance fault
- B0837 Ignition circuit #1 voltage too low
- B0838 Ignition circuit #1 voltage too high
- B0840 Ignition circuit #3 fault
- B0841 Ignition circuit #3 adjustment abnormal or performance fault
- B0842 Ignition circuit #3 voltage too low
- B0843 Ignition circuit #3 voltage too high
- B0845 5V power circuit fault
- B0846 5V power circuit adjustment abnormal or performance fault
- B0847 5V power circuit voltage too low
- B0848 5V power circuit voltage too high
- B0850 (CLEAN BATTERY) battery circuit fault

B0851 (CLEAN BATTERY) battery circuit adjustment abnormal or performance fault
 B0852 (CLEAN BATTERY) battery circuit voltage too low
 B0853 (CLEAN BATTERY) battery circuit voltage too high
 B0855 (DIRTY BATTERY) battery circuit fault
 B0856 (DIRTY BATTERY) battery circuit adjustment abnormal or performance fault
 B0857 (DIRTY BATTERY) battery circuit voltage too low
 B0858 (DIRTY BATTERY) battery circuit voltage too high
 B0860 System voltage too high
 B0861 System voltage too high
 U0139 Power supply (VSS) circuit no voltage
 U0151 No brake switch signal
 U1135 No ignition switch signal
 U1451 Part module number

1.2.3 BOSCH ABS 8

C0010 FL inlet valve faulty
 C0011 FL outlet valve faulty
 C0014 FR inlet valve faulty
 C0015 FR outlet valve faulty
 C0018 RL inlet valve faulty
 C0019 RL outlet valve faulty
 C001C RR inlet valve faulty
 C001D RR outlet valve faulty
 C0020 Return pump faulty (motor)
 C0031 FL wheel speed sensor circuit faulty: Range, performance, continuity
 C0032 FL wheel speed sensor circuit faulty: Circuit open or short
 C0034 FR wheel speed sensor circuit faulty: Range, performance, continuity
 C0035 FR wheel speed sensor circuit faulty: Circuit open or short
 C0037 RL wheel speed sensor circuit faulty: Range, performance, continuity
 C0038 RL wheel speed sensor circuit faulty: Circuit open or short
 C003A RR wheel speed sensor circuit faulty: Range, performance, continuity
 C003B RR wheel speed sensor circuit faulty: Circuit open or short
 C0072 Valve general fault (overheat protection)
 C1000 Electronic control unit hardware failure
 C1001 CAN line fault
 C1095 Valve relay faulty
 C1099 Wheel speed sensor frequency

- C1900 ECU low-voltage power supply voltage fault - the voltage is too high
- C1901 ECU low-voltage power supply voltage fault - the lack of voltage
- U1000 CAN line off Bus fault
- C0287 Axis (Ax) longitudinal acceleration sensor line fault or signal fault

1.2.4 KNORR ABS 8

- C000111 Drive Axle Traction Control Valve circuit short to ground
- C000112 Drive Axle Traction Control Valve circuit short to battery
- C000113 Drive Axle Traction Control Valve circuit open
- C00014A Drive Axle Traction Control Valve incorrect component installed
- C000155 Drive Axle Traction Control Valve not configured
- C000311 Steer Axle Traction Control Valve circuit short to ground
- C000312 Steer Axle Traction Control Valve circuit short to battery
- C000313 Steer Axle Traction Control Valve circuit open
- C00034A Steer Axle Traction Control Valve incorrect component installed
- C000355 Steer Axle Traction Control Valve not configured
- C001011 Steer Axle Left Pressure Control Inlet Valve circuit short to ground
- C001012 Steer Axle Left Pressure Control Inlet Valve circuit short to battery
- C001013 Steer Axle Left Pressure Control Inlet Valve circuit open
- C001111 Steer Axle Left Pressure Control Outlet Valve circuit short to ground
- C001112 Steer Axle Left Pressure Control Outlet Valve circuit short to battery
- C001113 Steer Axle Left Pressure Control Outlet Valve circuit open
- C001411 Steer Axle Right Pressure Control Inlet Valve circuit short to ground
- C001412 Steer Axle Right Pressure Control Inlet Valve circuit short to battery
- C001413 Steer Axle Right Pressure Control Inlet Valve circuit open
- C001511 Steer Axle Right Pressure Control Outlet Valve circuit short to ground
- C001512 Steer Axle Right Pressure Control Outlet Valve circuit short to battery
- C001513 Steer Axle Right Pressure Control Outlet Valve circuit open
- C001811 Drive Axle Left Pressure Control Inlet Valve circuit short to ground
- C001812 Drive Axle Left Pressure Control Inlet Valve circuit short to battery
- C001813 Drive Axle Left Pressure Control Inlet Valve circuit open
- C001911 Drive Axle Left Pressure Control Outlet Valve circuit short to ground
- C001912 Drive Axle Left Pressure Control Outlet Valve circuit short to battery
- C001913 Drive Axle Left Pressure Control Outlet Valve circuit open
- C001C11 Drive Axle Right Pressure Control Inlet Valve circuit short to ground
- C001C12 Drive Axle Right Pressure Control Inlet Valve circuit short to battery

C001C13	Drive Axle Right Pressure Control Inlet Valve circuit open
C001D11	Drive Axle Right Pressure Control Outlet Valve circuit short to ground
C001D12	Drive Axle Right Pressure Control Outlet Valve circuit short to battery
C001D13	Drive Axle Right Pressure Control Outlet Valve circuit open
C002352	Stop Lamp not activated
C002364	Stop Lamp signal plausibility failure
C003101	Steer Axle Left Wheel Speed Sensor general electrical failure
C003125	Steer Axle Left Wheel Speed Sensor signal shape / waveform failure
C003129	Steer Axle Left Wheel Speed Sensor signal invalid
C00312F	Steer Axle Left Wheel Speed Sensor signal erratic
C003131	Steer Axle Left Wheel Speed Sensor no signal
C003138	Steer Axle Left Wheel Speed Sensor signal frequency incorrect
C003154	Steer Axle Left Wheel Speed Sensor missing calibration
C003401	Steer Axle Right Wheel Speed Sensor general electrical failure
C003425	Steer Axle Right Wheel Speed Sensor signal shape / waveform failure
C003429	Steer Axle Right Wheel Speed Sensor signal invalid
C00342F	Steer Axle Right Wheel Speed Sensor signal erratic
C003431	Steer Axle Right Wheel Speed Sensor no signal
C003438	Steer Axle Right Wheel Speed Sensor signal frequency incorrect
C003454	Steer Axle Right Wheel Speed Sensor missing calibration
C003701	Drive Axle Left Wheel Speed Sensor general electrical failure
C003725	Drive Axle Left Wheel Speed Sensor signal shape / waveform failure
C003729	Drive Axle Left Wheel Speed Sensor signal invalid
C00372F	Drive Axle Left Wheel Speed Sensor signal erratic
C003731	Drive Axle Left Wheel Speed Sensor no signal
C003738	Drive Axle Left Wheel Speed Sensor signal frequency incorrect
C003754	Drive Axle Left Wheel Speed Sensor missing calibration
C003A01	Drive Axle Right Wheel Speed Sensor general electrical failure
C003A25	Drive Axle Right Wheel Speed Sensor signal shape / waveform failure
C003A29	Drive Axle Right Wheel Speed Sensor signal invalid
C003A2F	Drive Axle Right Wheel Speed Sensor signal erratic
C003A31	Drive Axle Right Wheel Speed Sensor no signal
C003A38	Drive Axle Right Wheel Speed Sensor signal frequency incorrect
C003A54	Drive Axle Right Wheel Speed Sensor missing calibration
C004401	Brake Pressure Sensor 1 general electrical failure
C004501	Brake Pressure Sensor 2 general electrical failure
C004616	Brake Pressure Sensor 1/2 circuit voltage below threshold
C004617	Brake Pressure Sensor 1/2 circuit voltage above threshold

C004619	Brake Pressure Sensor 1/2 circuit current above threshold
C004629	Brake Pressure Sensor 1/2 signal invalid
C004654	Brake Pressure Sensor 1/2 missing calibration
C005107	Steering Wheel Position Sensor mechanical failures
C005122	Steering Wheel Position Sensor signal amplitude > maximum
C005127	Steering Wheel Position Sensor signal rate of change above threshold
C005149	Steering Wheel Position Sensor internal electronic failure
C005154	Steering Wheel Position Sensor missing calibration
C005155	Steering Wheel Position Sensor not configured
C005164	Steering Wheel Position Sensor signal plausibility failure
C005193	Steering Wheel Position Sensor no operation
C006122	Lateral Acceleration Sensor signal amplitude > maximum
C006128	Lateral Acceleration Sensor signal bias level out of range / zero adjustment failure
C006154	Lateral Acceleration Sensor missing calibration
C006164	Lateral Acceleration Sensor signal plausibility failure
C006196	Lateral Acceleration Sensor component internal failure
C00631C	Yaw Rate Sensor circuit voltage out of range
C006322	Yaw Rate Sensor signal amplitude > maximum
C006327	Yaw Rate Sensor signal rate of change above threshold
C00632F	Yaw Rate Sensor signal erratic
C006349	Yaw Rate Sensor internal electronic failure
C006355	Yaw Rate Sensor not configured
C006364	Yaw Rate Sensor signal plausibility failure
C006376	Yaw Rate Sensor wrong mounting position
C006392	Yaw Rate Sensor performance or incorrect operation
C006396	Yaw Rate Sensor component internal failure
C006C64	Stability System signal plausibility failure
C008101	ABS Malfunction Indicator general electrical failure
C104601	Axle Load Pressure Sensor general electrical failure
C11104A	Steer Axle Left Pressure Control Valve incorrect component installed
C111055	Steer Axle Left Pressure Control Valve not configured
C111113	Steer Axle Left Pressure Control Valve GND circuit open
C11144A	Steer Axle Right Pressure Control Valve incorrect component installed
C111455	Steer Axle Right Pressure Control Valve not configured
C111513	Steer Axle Right Pressure Control Valve GND circuit open
C11184A	Drive Axle Left Pressure Control Valve incorrect component installed
C111855	Drive Axle Left Pressure Control Valve not configured
C111913	Drive Axle Left Pressure Control Valve GND circuit open

C111C4A	Drive Axle Right Pressure Control Valve incorrect component installed
C111C55	Drive Axle Right Pressure Control Valve not configured
C111D13	Drive Axle Right Pressure Control Valve GND circuit open
C120068	Roller Bench Mode event information
C120168	Stability Sytem Deactivated By Switch event information
C120295	ABS Component Configuration Failure incorrect assembly
C120411	IO3 circuit short to ground
C120412	IO3 circuit short to battery
C120413	IO3 circuit open
C120568	Anti-Lock Brake System Deactivated By Difflock event information
C120668	Offroad ABS Is Activated event information
C120795	Wheel Speed Sensors Interchanged incorrect assembly
C120812	Retarder Relay circuit short to battery
C120814	Retarder Relay circuit short to ground or open
C120907	ABS Valve Installation Or Mechanical Failure mechanical failures
C121111	Central Differential Lock circuit short to ground
C121112	Central Differential Lock circuit short to battery
C121113	Central Differential Lock circuit open
C121468	Pressure Control Valve End Of Life event information
C121568	Traction Control Valve End Of Life event information
C121764	Trailer Pressure Control Valve Plausibility Check signal plausibility failure
C121995	WSS Configuration Failure incorrect assembly
C122112	AUXIO 2 Or 3 circuit short to battery
C200163	Anti-Lock Braking System circuit / component protection time-out
C200164	Anti-Lock Braking System signal plausibility failure
C201011	Add Axle Left Pressure Control Inlet Valve circuit short to ground
C201012	Add Axle Left Pressure Control Inlet Valve circuit short to battery
C201013	Add Axle Left Pressure Control Inlet Valve circuit open
C201111	Add Axle Left Pressure Control Outlet Valve circuit short to ground
C201112	Add Axle Left Pressure Control Outlet Valve circuit short to battery
C201113	Add Axle Left Pressure Control Outlet Valve circuit open
C201411	Add Axle Right Pressure Control Inlet Valve circuit short to ground
C201412	Add Axle Right Pressure Control Inlet Valve circuit short to battery
C201413	Add Axle Right Pressure Control Inlet Valve circuit open
C201511	Add Axle Right Pressure Control Outlet Valve circuit short to ground
C201512	Add Axle Right Pressure Control Outlet Valve circuit short to battery
C201513	Add Axle Right Pressure Control Outlet Valve circuit open
C201811	Trailer Pressure Control Valve circuit short to ground

C201812	Trailer Pressure Control Valve circuit short to battery
C201813	Trailer Pressure Control Valve circuit open
C20184A	Trailer Pressure Control Valve incorrect component installed
C201855	Trailer Pressure Control Valve not configured
C203101	Add Axle Left Wheel Speed Sensor general electrical failure
C203125	Add Axle Left Wheel Speed Sensor signal shape / waveform failure
C203129	Add Axle Left Wheel Speed Sensor signal invalid
C20312F	Add Axle Left Wheel Speed Sensor signal erratic
C203131	Add Axle Left Wheel Speed Sensor no signal
C203138	Add Axle Left Wheel Speed Sensor signal frequency incorrect
C203154	Add Axle Left Wheel Speed Sensor missing calibration
C203401	Add Axle Right Wheel Speed Sensor general electrical failure
C203425	Add Axle Right Wheel Speed Sensor signal shape / waveform failure
C203429	Add Axle Right Wheel Speed Sensor signal invalid
C20342F	Add Axle Right Wheel Speed Sensor signal erratic
C203431	Add Axle Right Wheel Speed Sensor no signal
C203438	Add Axle Right Wheel Speed Sensor signal frequency incorrect
C203454	Add Axle Right Wheel Speed Sensor missing calibration
C21104A	Add Axle Left Pressure Control Valve incorrect component installed
C211055	Add Axle Left Pressure Control Valve not configured
C211113	Add Axle Left Pressure Control Valve GND circuit open
C21144A	Add Axle Right Pressure Control Valve incorrect component installed
C211455	Add Axle Right Pressure Control Valve not configured
C211513	Add Axle Right Pressure Control Valve GND circuit open
U001008	Vehicle CAN bus signal / message Failures
U001081	Vehicle CAN invalid serial data received
U001087	Vehicle CAN missing message
U001088	Vehicle CAN bus off
U012387	Lost Communication With Yaw Rate Sensor Module missing message
U012687	Lost Communication With Steering Angle Sensor Module missing message
U101087	Timedate Signal Not Available missing message
U101088	Timedate Signal Not Available bus off
U101187	Vehicle Distance Signal Not Available missing message
U101287	Time/Date Message Timeout missing message
U101487	High Resolution Vehicle Distance Message Timeout Occurred missing message
U101687	CAN Message EAC1_SCH Timeout Or Invalid Signal missing message
U101787	CAN Message ASC1_CLCS Timeout Or Invalid Signal missing message
U101887	CAN Message VW_CLCS Timeout Or Invalid Signal missing message

U101987 CAN Message ETC1_TCU Timeout Or Invalid Signal missing message
 U102087 CAN Message ETC2 Timeout Or Invalid Signal missing message
 U102187 CAN Message EEC1_CPC3 Timeout Or Invalid Signal missing message
 U102287 CAN Message EEC2_CPC3 Timeout Or Invalid Signal missing message
 U102387 CAN Message EEC3_CPC3 Timeout Or Invalid Signal missing message
 U102487 CAN Message ERC1_RET Timeout Or Invalid Signal missing message
 U102587 CAN Message CCVS_CPC Timeout Or Invalid Signal missing message
 U102687 CAN Message TCO1_TCO Timeout Or Invalid Signal missing message
 U102787 CAN Message TD_TCO Timeout Or Invalid Signal missing message
 U102887 CAN Message AIR1 Timeout Or Invalid Signal missing message
 U102987 CAN Message AUXIO Timeout Or Invalid Signal missing message
 U103087 Timeout or invalid data on XBR missing message
 U300004 Electronic Control Unit system internal failures
 U300005 Electronic Control Unit system programming failures
 U300041 Electronic Control Unit general checksum failure
 U300044 Electronic Control Unit data memory failure
 U300046 Electronic Control Unit calibration / parameter memory failure
 U300049 Electronic Control Unit internal electronic failure
 U300061 Electronic Control Unit signal calculation failure
 U300316 Battery Voltage circuit voltage below threshold
 U300317 Battery Voltage circuit voltage above threshold
 U30031C Battery Voltage circuit voltage out of range

1.2.5 YUNFENG ABS

C1101 ECU Voltage supply: high voltage
 C1102 ECU Voltage supply: low voltage
 C1200 Wheel-speed sensor, front left: open/short
 C1201 Wheel-speed sensor, front left:range,performance,intermittent
 C1202 Wheel-speed sensor, front left: invalid/no signal
 C1203 Wheel-speed sensor, front right: open/short
 C1204 Wheel-speed sensor, front right: range, performance,intermittent
 C1205 Wheel-speed sensor, front right: invalid/no signal
 C1206 Wheel-speed sensor, rear left:open/short
 C1207 Wheel-speed sensor, rear left:range,performance,intermittent
 C1208 Wheel-speed sensor, rear left: invalid/no signal
 C1209 Wheel-speed sensor, rear right: open/short
 C1210 Wheel-speed sensor, rear right: range, performance,intermittent

C1211 Wheel-speed sensor, rear right: invalid/no signal
 C1604 ECU hardware error
 C2112 Valve relay error
 C2308 valve fault, inlet valve FL
 C2312 valve fault, outlet valve FL
 C2316 valve fault, inlet valve FR
 C2320 valve fault, outlet valve FR
 C2324 valve fault, inlet valve RL
 C2328 valve fault, outlet valve RL
 C2332 valve fault, inlet valve RR
 C2336 valve fault, outlet valve RR
 C2402 Return pump fault (motor electrical)
 C2501 Brake pedal signal: open/short

1.2.6 WANAN ABS

C1050 Ecu Voltage Too High
 C1051 Ecu Voltage Too Low
 C0031 Left Front Tooth Ring Sensor Gap
 C10A1 Left Front Tooth Ring Sensor Short Circuit To B+
 C10A0 Left Front Tooth Ring Sensor Short Circuit To Ground
 C0032 Left Front Tooth Ring Sensor Open Circuit
 C10A9 Left Front Tooth Ring Sensor Short Circuit
 C0034 Right Front Tooth Ring Sensor Gap
 C10A3 Right Front Tooth Ring Sensor Short Circuit To B+
 C10A2 Right Front Tooth Ring Sensor Short Circuit To Ground
 C0035 Right Front Tooth Ring Sensor Open Circuit
 C10AA Right Front Tooth Ring Sensor Short Circuit
 C0037 Left Rear Tooth Ring Sensor Gap
 C10A5 Left Rear Tooth Ring Sensor Short Circuit To B+
 C10A4 Left Rear Tooth Ring Sensor Short Circuit To Ground
 C0038 Left Rear Tooth Ring Sensor Open Circuit
 C10AB Left Rear Tooth Ring Sensor Short Circuit
 C003A Right Rear Tooth Ring Sensor Gap
 C10A7 Right Rear Tooth Ring Sensor Short Circuit To B+
 C10A6 Right Rear Tooth Ring Sensor Short Circuit To Ground
 C003B Right Rear Tooth Ring Sensor Open Circuit
 C10AC Right Rear Tooth Ring Sensor Short Circuit

C10B0 Left Front Control Module Short Circuit To B+

C10B1 Left Front Control Module Open Circuit

C10B2 Left Front Control Module Short Circuit To Ground

C10B3 Right Front Control Module Short Circuit To B+

C10B4 Right Front Control Module Open Circuit

C10B5 Right Front Control Module Short Circuit To Ground

C10B6 Left Rear Control Module Short Circuit To B+

C10B7 Left Rear Control Module Open Circuit

C10B8 Left Rear Control Module Short Circuit To Ground

C10B9 Right Rear Control Module Short Circuit To B+

C10BA Right Rear Control Module Open Circuit

C10BB Right Rear Control Module Short Circuit To Ground

U0001 Abs Entered Bus Off State

Secondary Brake CAN Message ERC1 Timeout Description: This Fault Is Recorded

U1610 When Both Of Exhaust Brake Message And Engine Brake Message Expire

U1611 Ems CAN Message EEC1 Timeout

C1011 Internal Error

C1012 Controller 18-Pin Plug Not Connected

1.3 BCM

1.3.1 BCM

B100049 ECU system fault

B100113 Interior lamp circuit open

B100112 Interior lamp circuit shorted

B100213 ISS relay open circuit

B100212 ISS relay short circuit

B100313 BCM turn signal output relay open circuit

B100312 BCM turn signal output relay short circuit

B100413 High beam output relay open circuit

B100412 High beam output relay short circuit

B100513 Low beam output relay open circuit

B100512 Low beam output relay short circuit

B100613	Front fog lamp output relay open circuit
B100612	Front fog lamp output relay short circuit
B100713	Rear fog lamp output relay open circuit
B100712	Rear fog lamp output relay short circuit
B100813	Backlight output relay open circuit
B100812	Backlight output relay short circuit
B100913	DRL (daytime running light) output relay open circuit
B100912	DRL (daytime running light) output relay short circuit
B100A13	Wiper LO relay input open circuit
B100A12	Wiper LO relay input short circuit
B100B13	Central lock unlocking relay input open circuit
B100B12	Central lock unlocking relay input short circuit
B100C13	Central lock locking relay input open circuit
B100C12	Central lock locking relay input short circuit
B100D16	Remote controller battery voltage low
B100E13	Blower relay input open circuit
B100E12	Blower relay input short circuit
B100F13	A/C compressor relay circuit open
B100F12	A/C compressor relay circuit shorted
B101013	Defroster relay input open circuit
B101012	Defroster relay input short circuit
B101113	Left courtesy lamp circuit open
B101114	Left courtesy lamp circuit shorted
B101213	Right courtesy lamp circuit open
B101214	Right courtesy lamp circuit shorted
U100088	CAN communication abnormal
U100287	ECM communication abnormal
U100387	TCU communication abnormal
U100487	ABS communication abnormal
U100187	IPC communication abnormal

1.3.2 LE17F_BCM

B100049	ECU system fault
B100113	Interior lamp circuit open
B100112	Interior lamp circuit shorted
B100213	ISS relay open circuit
B100212	ISS relay short circuit

B100313 BCM turn signal output relay open circuit
 B100312 BCM turn signal output relay short circuit
 B100413 High beam output relay open circuit
 B100412 High beam output relay short circuit
 B100513 Low beam output relay open circuit
 B100512 Low beam output relay short circuit
 B100613 Front fog lamp output relay open circuit
 B100612 Front fog lamp output relay short circuit
 B100713 Rear fog lamp output relay open circuit
 B100712 Rear fog lamp output relay short circuit
 B100813 Backlight output relay open circuit
 B100812 Backlight output relay short circuit
 B100913 DRL (daytime running light) output relay open circuit
 B100912 DRL (daytime running light) output relay short circuit
 B100A13 Wiper LO relay input open circuit
 B100A12 Wiper LO relay input short circuit
 B100B13 Central lock unlocking relay input open circuit
 B100B12 Central lock unlocking relay input short circuit
 B100C13 Central lock locking relay input open circuit
 B100C12 Central lock locking relay input short circuit
 B100D16 Remote controller battery voltage low
 B100E13 Blower relay input open circuit
 B100E12 Blower relay input short circuit
 B100F13 A/C compressor relay circuit open
 B100F12 A/C compressor relay circuit shorted
 B101013 Defroster relay input open circuit
 B101012 Defroster relay input short circuit
 B101113 Left courtesy lamp circuit open
 B101114 Left courtesy lamp circuit shorted
 B101213 Right courtesy lamp circuit open
 B101214 Right courtesy lamp circuit shorted
 U100088 CAN communication abnormal
 U100287 ECM communication abnormal
 U100387 TCU communication abnormal
 U100487 ABS communication abnormal
 U100187 IPC communication abnormal

1.4 East Joylong Airbag

1.4.1 East Joylong Airbag System(KWP)

B1000	No error
B0000	Undefined error
B00D1	Excessive number of recorded faults
B00D2	User configuration error
B00D3	Sensor error
B00D4	Internal fault
B00D5	Controller ignited
B00D6	Supply voltage too low
B00D7	Supply voltage too high
B0001	Driver airbag igniter short to ground
B0002	Driver airbag igniter short to battery
B0003	Driver airbag igniter resistance high
B0004	Driver airbag igniter resistance low
B0005	Driver airbag igniter short to other channels
B0011	Front passenger airbag igniter short to ground
B0012	Front passenger airbag igniter short to battery
B0013	Front passenger airbag igniter resistance high
B0014	Front passenger airbag igniter resistance low
B0015	Front passenger airbag igniter short to other channels
B0021	Driver seatbelt pretensioning igniter short to ground
B0022	Driver seatbelt pretensioning igniter short to battery
B0023	Driver seatbelt pretensioning igniter resistance high
B0024	Driver seatbelt pretensioning igniter resistance low
B0025	Driver seatbelt pretensioning igniter short to other channels
B0031	Front passenger seatbelt pretensioning igniter short to ground
B0032	Front passenger seatbelt pretensioning igniter short to battery
B0033	Front passenger seatbelt pretensioning igniter resistance high
B0034	Front passenger seatbelt pretensioning igniter resistance low
B0035	Front passenger seatbelt pretensioning igniter short to other channels
B0008	Left-hand side airbag igniter short to ground
B0009	Left-hand side airbag igniter short to battery
B000A	Left-hand side airbag igniter resistance high
B000B	Left-hand side airbag igniter resistance low

B000C Left-hand side airbag igniter short to other channels
 B0018 right-hand side airbag igniter short to ground
 B0019 right-hand side airbag igniter short to battery
 B001A right-hand side airbag igniter resistance high
 B001B right-hand side airbag igniter resistance low
 B001C right-hand side airbag igniter short to other channels
 B0028 Left-hand curtain airbag igniter short to ground
 B0029 Left-hand curtain airbag igniter short to battery
 B002A Left-hand curtain airbag igniter resistance high
 B002B Left-hand curtain airbag igniter resistance low
 B002C Left-hand curtain airbag igniter short to other channels
 B0038 right-hand curtain airbag igniter short to ground
 B0039 right-hand curtain airbag igniter short to battery
 B003A right-hand curtain airbag igniter resistance high
 B003B right-hand curtain airbag igniter resistance low
 B003C right-hand curtain airbag igniter short to other channels
 B0101 Left-hand side collision sensor connection error or sensor fault
 B0102 Left-hand side collision sensor model error
 B0103 Left-hand side collision sensor communication error
 B0104 Left-hand side collision sensor short to ground or overcurrent
 B0105 Left-hand side collision sensor short to power supply
 B0111 right-hand side collision sensor connection error or sensor fault
 B0112 right-hand side collision sensor model error
 B0113 right-hand side collision sensor communication error
 B0114 right-hand side collision sensor short to ground or overcurrent
 B0115 right-hand side collision sensor short to power supply
 B0121 Left-hand front collision sensor connection error or sensor fault
 B0122 Left-hand front collision sensor model error
 B0123 Left-hand front collision sensor communication error
 B0124 Left-hand front collision sensor short to ground or overcurrent
 B0125 Left-hand front collision sensor short to power supply
 B0131 right-hand front collision sensor connection error or sensor fault
 B0132 right-hand front collision sensor model error
 B0133 right-hand front collision sensor communication error
 B0134 right-hand front collision sensor short to ground or overcurrent
 B0135 right-hand front collision sensor short to power supply
 B0041 Switch 1 resistance too high or open circuit
 B0042 Switch 1 resistance value error

B0043 Switch 1 resistance value too low or short circuit
 B0051 Switch 2 resistance too high or open circuit
 B0052 Switch 2 resistance value error
 B0053 Switch 2 resistance value too low or short circuit
 B0071 State indicator short to ground or open circuit
 B0072 State indicator short to power supply
 B0073 Airbag suppression indicator short to ground or open circuit
 B0074 Airbag suppression indicator short to power supply
 B0061 Collision output 1 short to ground or open circuit
 B0062 Collision output 1 short to power supply
 B0063 Collision output 2 short to ground or open circuit
 B0064 Collision output 2 short to power supply
 B0081 Driver airbag configuration error
 B0082 Front passenger airbag configuration error
 B0083 Driver belt pretensioner configuration error
 B0084 Front passenger belt pretensioner configuration error
 B0085 Driver side airbag configuration error
 B0086 Front passenger side airbag configuration error
 B0087 Driver curtain airbag configuration error
 B0088 Front passenger curtain airbag configuration error
 B0091 Collision output 1 configuration error
 B0092 Collision output 2 configuration error
 B0093 Switch 1 configuration error
 B0094 Switch 2 configuration error
 B00A0 Left-hand side collision sensor configuration error
 B00A1 right-hand side collision sensor configuration error
 B00A2 Left-hand front collision sensor configuration error
 B00A3 right-hand front collision sensor configuration error

1.4.2 East Joylong Airbag System (CAN)

B04F074 Driver's airbag short circuit to ground
 B04F073 Driver's airbag to short circuit Battery
 B04F075 Driver's airbag open circuit
 B04F076 Driver's airbag short circuit
 B04F174 Vice driver airbag short circuit to ground
 B04F173 Vice Driver's airbag to short circuit Battery
 B04F175 Vice driver air bag open circuit

B04F176 Vice driver air bag open short circuit
 B04F274 Driver's early warning air bag short circuit to ground
 B04F273 Driver's early warning air bag short circuit to Battery
 B04F275 Driver's early warning air bag open circuit
 B04F276 Driver's early warning air bag short circuit
 B04F374 Vice Driver's early warning air bag short circuit to ground
 B04F373 Vice Driver's early warning air bag short circuit to Battery
 B04F375 Vice Driver's early warning air bag open circuit
 B04F376 Vice Driver's early warning air bag short circuit
 B05F074 Battery voltage low
 B05F073 Battery voltage high
 B06F072 ACU internal fault
 B07F072 ACU ignition
 B07F172 Data record fault: memory is full
 B09F072 Airbag status indicator lamp failure
 B09F172 CAN network error
 B09F272 IP Communication exception
 B09F073 ECM Communication exception
 B20F072 CAN send timeout
 B03F074 Airbag setting error
 B03F073 Collision output 1 short circuit to ground
 B12F471 Collision output 1 short circuit to Battery
 B12F479 Front touch sensor initialization failure
 B12F474 Front touch sensor setting error
 B12F473 Front touch sensor short circuit to ground
 B12F472 Front touch sensor short circuit to Battery
 B12F478 Front touch sensor Communication exception
 B01F077 Front touch sensor data check error

1.4.3 LE17F_ABM

C000111 Drive Axle Traction Control Valve circuit short to ground
 C000112 Drive Axle Traction Control Valve circuit short to battery
 C000113 Drive Axle Traction Control Valve circuit open
 C00014A Drive Axle Traction Control Valve incorrect component installed
 C000155 Drive Axle Traction Control Valve not configured
 C000311 Steer Axle Traction Control Valve circuit short to ground
 C000312 Steer Axle Traction Control Valve circuit short to battery

C000313 Steer Axle Traction Control Valve circuit open
 C00034A Steer Axle Traction Control Valve incorrect component installed
 C000355 Steer Axle Traction Control Valve not configured
 C001011 Steer Axle Left Pressure Control Inlet Valve circuit short to ground
 C001012 Steer Axle Left Pressure Control Inlet Valve circuit short to battery
 C001013 Steer Axle Left Pressure Control Inlet Valve circuit open
 C001111 Steer Axle Left Pressure Control Outlet Valve circuit short to ground
 C001112 Steer Axle Left Pressure Control Outlet Valve circuit short to battery
 C001113 Steer Axle Left Pressure Control Outlet Valve circuit open
 C001411 Steer Axle Right Pressure Control Inlet Valve circuit short to ground
 C001412 Steer Axle Right Pressure Control Inlet Valve circuit short to battery
 C001413 Steer Axle Right Pressure Control Inlet Valve circuit open
 C001511 Steer Axle Right Pressure Control Outlet Valve circuit short to ground
 C001512 Steer Axle Right Pressure Control Outlet Valve circuit short to battery
 C001513 Steer Axle Right Pressure Control Outlet Valve circuit open
 C001811 Drive Axle Left Pressure Control Inlet Valve circuit short to ground
 C001812 Drive Axle Left Pressure Control Inlet Valve circuit short to battery
 C001813 Drive Axle Left Pressure Control Inlet Valve circuit open
 C001C11 Drive Axle Left Pressure Control Outlet Valve circuit short to ground
 C001C12 Drive Axle Left Pressure Control Outlet Valve circuit short to battery
 C001C13 Drive Axle Left Pressure Control Outlet Valve circuit open
 C001D11 Drive Axle Right Pressure Control Inlet Valve circuit short to ground
 C001D12 Drive Axle Right Pressure Control Inlet Valve circuit short to battery
 C001D13 Drive Axle Right Pressure Control Inlet Valve circuit open
 C001D11 Drive Axle Right Pressure Control Outlet Valve circuit short to ground
 C001D12 Drive Axle Right Pressure Control Outlet Valve circuit short to battery
 C001D13 Drive Axle Right Pressure Control Outlet Valve circuit open
 C002352 Stop Lamp not activated
 C002364 Stop Lamp signal plausibility failure
 C003101 Steer Axle Left Wheel Speed Sensor general electrical failure
 C003125 Steer Axle Left Wheel Speed Sensor signal shape / waveform failure
 C003129 Steer Axle Left Wheel Speed Sensor signal invalid
 C00312F Steer Axle Left Wheel Speed Sensor signal erratic
 C003131 Steer Axle Left Wheel Speed Sensor no signal
 C003138 Steer Axle Left Wheel Speed Sensor signal frequency incorrect
 C003154 Steer Axle Left Wheel Speed Sensor missing calibration
 C003401 Steer Axle Right Wheel Speed Sensor general electrical failure
 C003425 Steer Axle Right Wheel Speed Sensor signal shape / waveform failure

C003429	Steer Axle Right Wheel Speed Sensor signal invalid
C00342F	Steer Axle Right Wheel Speed Sensor signal erratic
C003431	Steer Axle Right Wheel Speed Sensor no signal
C003438	Steer Axle Right Wheel Speed Sensor signal frequency incorrect
C003454	Steer Axle Right Wheel Speed Sensor missing calibration
C003701	Drive Axle Left Wheel Speed Sensor general electrical failure
C003725	Drive Axle Left Wheel Speed Sensor signal shape / waveform failure
C003729	Drive Axle Left Wheel Speed Sensor signal invalid
C00372F	Drive Axle Left Wheel Speed Sensor signal erratic
C003731	Drive Axle Left Wheel Speed Sensor no signal
C003738	Drive Axle Left Wheel Speed Sensor signal frequency incorrect
C003754	Drive Axle Left Wheel Speed Sensor missing calibration
C003A01	Drive Axle Right Wheel Speed Sensor general electrical failure
C003A25	Drive Axle Right Wheel Speed Sensor signal shape / waveform failure
C003A29	Drive Axle Right Wheel Speed Sensor signal invalid
C003A2F	Drive Axle Right Wheel Speed Sensor signal erratic
C003A31	Drive Axle Right Wheel Speed Sensor no signal
C003A38	Drive Axle Right Wheel Speed Sensor signal frequency incorrect
C003A54	Drive Axle Right Wheel Speed Sensor missing calibration
C004401	Brake Pressure Sensor 1 general electrical failure
C004501	Brake Pressure Sensor 2 general electrical failure
C004616	Brake Pressure Sensor 1/2 circuit voltage below threshold
C004617	Brake Pressure Sensor 1/2 circuit voltage above threshold
C004619	Brake Pressure Sensor 1/2 circuit current above threshold
C004629	Brake Pressure Sensor 1/2 signal invalid
C004654	Brake Pressure Sensor 1/2 missing calibration
C005107	Steering Wheel Position Sensor mechanical failures
C005122	Steering Wheel Position Sensor signal amplitude maximum
C005127	Steering Wheel Position Sensor signal rate of change above threshold
C005149	Steering Wheel Position Sensor internal electronic failure
C005154	Steering Wheel Position Sensor missing calibration
C005155	Steering Wheel Position Sensor not configured
C005164	Steering Wheel Position Sensor signal plausibility failure
C005193	Steering Wheel Position Sensor no operation
C006122	Lateral Acceleration Sensor signal amplitude maximum
C006128	Lateral Acceleration Sensor signal bias level out of range / zero adjustment failure
C006154	Lateral Acceleration Sensor missing calibration
C006164	Lateral Acceleration Sensor signal plausibility failure

C006196	Lateral Acceleration Sensor component internal failure
C00631C	Yaw Rate Sensor circuit voltage out of range
C006322	Yaw Rate Sensor signal amplitude maximum
C006327	Yaw Rate Sensor signal rate of change above threshold
C00632F	Yaw Rate Sensor signal erratic
C006349	Yaw Rate Sensor internal electronic failure
C006355	Yaw Rate Sensor not configured
C006364	Yaw Rate Sensor signal plausibility failure
C006376	Yaw Rate Sensor wrong mounting position
C006392	Yaw Rate Sensor performance or incorrect operation
C006396	Yaw Rate Sensor component internal failure
C006C64	Stability System signal plausibility failure
C008101	ABS Malfunction Indicator general electrical failure
C104601	Axle Load Pressure Sensor general electrical failure
C11104A	Steer Axle Left Pressure Control Valve incorrect component installed
C111055	Steer Axle Left Pressure Control Valve not configured
C111113	Steer Axle Left Pressure Control Valve GND circuit open
C11144A	Steer Axle Right Pressure Control Valve incorrect component installed
C111455	Steer Axle Right Pressure Control Valve not configured
C111513	Steer Axle Right Pressure Control Valve GND circuit open
C11184A	Drive Axle Left Pressure Control Valve incorrect component installed
C111855	Drive Axle Left Pressure Control Valve not configured
C111913	Drive Axle Left Pressure Control Valve GND circuit open
C111C4A	Drive Axle Right Pressure Control Valve incorrect component installed
C111C55	Drive Axle Right Pressure Control Valve not configured
C111D13	Drive Axle Right Pressure Control Valve GND circuit open
C120068	Roller Bench Mode event information
C120168	Stability Sytem Deactivated By Switch event information
C120295	ABS Component Configuration Failure incorrect assembly
C120411	IO3 circuit short to ground
C120412	IO3 circuit short to battery
C120413	IO3 circuit open
C120568	Anti-Lock Brake System Deactivated By Difflock event information
C120668	Offroad ABS Is Activated event information
C120795	Wheel Speed Sensors Interchanged incorrect assembly
C120812	Retarder Relay circuit short to battery
C120814	Retarder Relay circuit short to ground or open
C120907	ABS Valve Installation Or Mechanical Failure mechanical failures

C121111	Central Differential Lock circuit short to ground
C121112	Central Differential Lock circuit short to battery
C121113	Central Differential Lock circuit open
C121468	Pressure Control Valve End Of Life event information
C121568	Traction Control Valve End Of Life event information
C121764	Trailer Pressure Control Valve Plausibility Check signal plausibility failure
C121995	WSS Configuration Failure incorrect assembly
C122112	AUXIO 2 Or 3 circuit short to battery
C200163	Anti-Lock Braking System circuit / component protection time-out
C200164	Anti-Lock Braking System signal plausibility failure
C201011	Add Axle Left Pressure Control Inlet Valve circuit short to ground
C201012	Add Axle Left Pressure Control Inlet Valve circuit short to battery
C201013	Add Axle Left Pressure Control Inlet Valve circuit open
C201111	Add Axle Left Pressure Control Outlet Valve circuit short to ground
C201112	Add Axle Left Pressure Control Outlet Valve circuit short to battery
C201113	Add Axle Left Pressure Control Outlet Valve circuit open
C201411	Add Axle Right Pressure Control Inlet Valve circuit short to ground
C201412	Add Axle Right Pressure Control Inlet Valve circuit short to battery
C201413	Add Axle Right Pressure Control Inlet Valve circuit open
C201511	Add Axle Right Pressure Control Outlet Valve circuit short to ground
C201512	Add Axle Right Pressure Control Outlet Valve circuit short to battery
C201513	Add Axle Right Pressure Control Outlet Valve circuit open
C201811	Trailer Pressure Control Valve circuit short to ground
C201812	Trailer Pressure Control Valve circuit short to battery
C201813	Trailer Pressure Control Valve circuit open
C20184A	Trailer Pressure Control Valve incorrect component installed
C201855	Trailer Pressure Control Valve not configured
C203101	Add Axle Left Wheel Speed Sensor general electrical failure
C203125	Add Axle Left Wheel Speed Sensor signal shape / waveform failure
C203129	Add Axle Left Wheel Speed Sensor signal invalid
C20312F	Add Axle Left Wheel Speed Sensor signal erratic
C203131	Add Axle Left Wheel Speed Sensor no signal
C203138	Add Axle Left Wheel Speed Sensor signal frequency incorrect
C203154	Add Axle Left Wheel Speed Sensor missing calibration
C203401	Add Axle Right Wheel Speed Sensor general electrical failure
C203425	Add Axle Right Wheel Speed Sensor signal shape / waveform failure
C203429	Add Axle Right Wheel Speed Sensor signal invalid
C20342F	Add Axle Right Wheel Speed Sensor signal erratic

C203431	Add Axle Right Wheel Speed Sensor no signal
C203438	Add Axle Right Wheel Speed Sensor signal frequency incorrect
C203454	Add Axle Right Wheel Speed Sensor missing calibration
C21104A	Add Axle Left Pressure Control Valve incorrect component installed
C211055	Add Axle Left Pressure Control Valve not configured
C211113	Add Axle Left Pressure Control Valve GND circuit open
C21144A	Add Axle Right Pressure Control Valve incorrect component installed
C211455	Add Axle Right Pressure Control Valve not configured
C211513	Add Axle Right Pressure Control Valve GND circuit open
U001008	Vehicle CAN bus signal / message Failures
U001081	Vehicle CAN invalid serial data received
U001087	Vehicle CAN missing message
U001088	Vehicle CAN bus off
U012387	Lost Communication With Yaw Rate Sensor Module missing message
U012687	Lost Communication With Steering Angle Sensor Module missing message
U101087	Timedate Signal Not Available missing message
U101088	Timedate Signal Not Available bus off
U101187	Vehicle Distance Signal Not Available missing message
U101287	Time/Date Message Timeout missing message
U101487	High Resolution Vehicle Distance Message Timeout Occurred missing message
U101687	CAN Message EAC1_SCH Timeout Or Invalid Signal missing message
U101787	CAN Message ASC1_CLCS Timeout Or Invalid Signal missing message
U101887	CAN Message VW_CLCS Timeout Or Invalid Signal missing message
U101987	CAN Message ETC1_TCU Timeout Or Invalid Signal missing message
U102087	CAN Message ETC2 Timeout Or Invalid Signal missing message
U102187	CAN Message EEC1_CPC3 Timeout Or Invalid Signal missing message
U102287	CAN Message EEC2_CPC3 Timeout Or Invalid Signal missing message
U102387	CAN Message EEC3_CPC3 Timeout Or Invalid Signal missing message
U102487	CAN Message ERC1_RET Timeout Or Invalid Signal missing message
U102587	CAN Message CCVS_CPC Timeout Or Invalid Signal missing message
U102687	CAN Message TCO1_TCO Timeout Or Invalid Signal missing message
U102787	CAN Message TD_TCO Timeout Or Invalid Signal missing message
U102887	CAN Message AIR1 Timeout Or Invalid Signal missing message
U102987	CAN Message AUXIO Timeout Or Invalid Signal missing message
U103087	Timeout or invalid data on XBR missing message
U300004	Electronic Control Unit system internal failures
U300005	Electronic Control Unit system programming failures
U300041	Electronic Control Unit general checksum failure

- U300044 Electronic Control Unit data memory failure
- U300046 Electronic Control Unit calibration / parameter memory failure
- U300049 Electronic Control Unit internal electronic failure
- U300061 Electronic Control Unit signal calculation failure
- U300316 Battery Voltage circuit voltage below threshold
- U300317 Battery Voltage circuit voltage above threshold
- U30031C Battery Voltage circuit voltage out of range

1.5 ICM

1.5.1 N721 ICM

- B110013 Fuel gauge open circuit
- B110117 Voltage too high
- B110216 Voltage too low
- B110313 Engine emission MIL fault
- B110413 Throttle EPC indicator lamp fault
- B110513 ABS fault indicator fault
- B110613 Airbag fault indicator fault
- B110713 Tire pressure siren fault
- B110813 Safety belt not fastened indicator fault
- B110913 Brake fault/brake fluid level low
- U110188 BUSOFF
- U110087 BCM communication fault
- U110287 ECM communication fault
- U110387 TCU communication fault
- U110487 ABS communication fault
- U110587 ABM communication fault (airbag)

1.5.2 LE17F_ICM

- B110013 Fuel gauge open circuit
- B110117 Voltage too high

B110216 Voltage too low
 B110313 Engine emission MIL fault
 B110413 Throttle EPC indicator lamp fault
 B110513 ABS fault indicator fault
 B110613 Airbag fault indicator fault
 B110713 Tire pressure siren fault
 B110813 Safety belt not fastened indicator fault
 B110913 Brake fault/brake fluid level low
 U110188 BUSOFF
 U110087 BCM communication fault
 U110287 ECM communication fault
 U110387 TCU communication fault
 U110487 ABS communication fault
 U110587 ABM communication fault (airbag)

1.6 E_CALL system module

1.6.1 ERA-GLONASS

B1A6000 Microphone connection failed
 B1A6100 MIC failure
 B1A6200 Speaker failure
 B1A6300 Ignition system fault
 B1A6400 UIM(SIM) card failure
 B1A6500 State indicator light fault
 B1A6600 Built-in battery fault
 B1A6700 Built-in battery voltage low
 B1A6800 Collision sensor fault
 B1A6900 Firmware image damaged
 B1A6A00 GNSS receiver fault
 B1A6B00 GNSS antenna fault
 B1A6C00 Communication module GSM fault
 B1A6D00 Event memory overflow
 B1A6E00 Memory overflow
 B1A6F00 Other critical faults
 B1A7000 Other non-critical faults

1.7 APM

1.7.1 LE17F_APM

B230000	Battery voltage too high
B230100	Battery voltage too low
B230200	FL door window rise button short circuit
B230300	FL door window rise button short circuit
B230400	RL door window rise button short circuit
B230500	RR door window rise button short circuit
B230600	FL door window lower button short circuit
B230700	FR door window lower button short circuit
B230800	RL door window lower button short circuit
B230900	RR door window lower button short circuit
B231000	FL door motor output current too small
B231100	FR door motor output current too small
B231200	RL door motor output current too small
B231300	RR door motor output current too small
B231400	FL door motor output current too lager
B231500	FR door motor output current too lager
B231600	RL door motor output current too lager
B231700	RR door motor output current too lager
B231800	Left window fuse disconnected
B231900	Right window fuse disconnected
B232000	FL window resistance too large
B232100	FR window resistance too large
B232200	RL window resistance too large
B232300	RR window resistance too large
B232400	Controller internal fault
B232500	FL motor position signal error
B232600	FR motor position signal error
B232700	RL motor position signal error
B232800	RR motor position signal error
B232900	Lost communication with body controller

1.8 LDWS

1.8.1 LE17F_LDWS

- 1 High Battery Voltage Faulty internal signal conditioning circuit
- 2 Low Battery Voltage Faulty internal signal conditioning circuit
- 3 External watchdog is not serviced by the software within the watchdog timeout period OR external electrical interference caused the MCU to reset
- 4 MCU A/D converter faulty
- 7 External watchdog HW device faulty MCU to external watchdog HW interface faulty
- 8 Software design error
- 9 MCU internal RAM cell faulty
- 10 MCU Flash Memory segment containing Bootloader code is corrupt This condition keeps the module in continuous reset if condition is detected during system initialization
- 11 MCU Flash Memory segment containing Application code is corrupt.If detected at system initialization, the ECU will remain in the bootloader.
- 12 NVM data corrupt - system configuration
- 13 NVM data corrupt - camera alignment calibration
- 14 When EyeQ Power enable status is inactive in the powerup.
- 15 When EyeQ Reset line is inactive in the powerup.
- 16 Internal Camera HW Malfunction
- 17 NVM data corrupt - Precalibrated camera alignment parameters
- 18 MCU CAN Controller faulty
- 19 FLC System has not been calibrated and operation not verified at vehicle assembly plant OR dealership service
- 20 FLC System has not been precalibrated and operation not verified at TRW assembly plant
- 21 UART port faulty
- 22 Whenever IPC protocol upper layer does not get a chance to process the received data or unformatted data received.
- 23 Whenever IPC receives data or bytes more than expected.
- 24 No response from the Mobileye (ME) within the timeout time or not active.
- 25 1. Message sent with invalid checksum. 2. Loss of data in message.
- 26 1. Message sent with invalid protocol type. 2. Loss of data in message.
- 27 1. Response message sent with an invalid Application ID. 2. Loss of data in message.
- 28 1. Response message/frame received with an invalid MESP header. 2. Loss of data in

message.

- 29 1. First frame indication flag is not set to 1 in a multiframe packet(NFN field).2. Loss of data in message.
- 30 1. Datagram Message received with Unknown Application ID.\n2. Data Message received with Unknown Function ID.\n3. Loss of data in message.
- 31 1. Boot Start-up DDR chip test fails in EyeQ in the power up test.\n2. Loss of data in message.
- 32 1. Boot Start-up Flash Memory test fails in EyeQ in the power up test.\n2. Loss of data in message.
- 33 1. Camera initialization failed. Most common is due to camera failure or I2C communication error. In remote camera config, that error is usually the result of not obtaining LVDS lock (I2C is transmitted over LVDS). When ME detects this condition it informs the MCU over Rxapplication output message (0x60) (21 = APP_INIT_CAMERA_INIT).when this error code is set, MCU will reset the EyeQ to recover from error.
- 34 Unknown failure is detected by ME application at runtime. When ME detects this condition it informs the MCU by sending the fatal error code.
- 35 ME couldn't initial the application in power on or switch to applications. When ME detects this condition it informs the MCU by sending the fatal error code.
- 36 1. When Mobileye Software version is different from expected.\n2. Loss of data in message.
- 37 External watchdog is not serviced by the ME software within the watchdog timeout period OR external electrical interference caused the ME to reset
- 38 1. When Mobileye stops sending the Video signals messages from powerup or during normal running condition.Timeout times:\nA. Power on or reset:No video message received within 12 seconds from power on while EyeQ running Vision mode.\nB. Normal operation:No video message received within 3 seconds normal operation(Runtime).\n2. Loss of data in message.
- 39 When no vehicles signals are received by the Mobileye EyeQ for 3 consecutive frames.
- 40 1.Boot Start-up BIST test fails at Mobileye Side.
- 41 One of the following problems has occurred:\n1.EyeQ overuses the DMA. Usually causes sporadic video errors. In extreme cases can cause frequent video errors.\n2. Camera problem, either with the line or with the camera itself.Usually causes frequent video errors.
- 42 I2C for next camera frame must be communicated during a designated time window. Minimal window duration is 12ms, and at most there are 16 I2C messages to be communicated for a single rame in a baud rate of 200Kbits. If any of the transactions failed (e.g.I2C NACK, I2C timeouts, etc') transaction is retried until

successful completion. An I2C error is reported iff not all I2C messages were transmitted successfully during the time window. When ME detects this condition it informs the MCU by setting i2c error bit in Diag message. When this bit is set, MCU will reset the EyeQ.

- 43 High Battery Voltage Faulty internal signal conditioning circuit
- 44 Low Battery Voltage Faulty internal signal conditioning circuit
- 45 External watchdog is not serviced by the software within the watchdog timeout period OR external electrical interference caused the MCU to reset
- 46 MCU A/D converter faulty
- 47 External watchdog HW device faulty MCU to external watchdog HW interface faulty
- 48 Software design error
- 49 MCU internal RAM cell faulty
- 50 MCU Flash Memory segment containing Bootloader code is corrupt This condition keeps the module in continuous reset if condition is detected during system initialization
- 51 MCU Flash Memory segment containing Application code is corrupt.If detected at system initialization, the ECU will remain in the bootloader.
- 52 NVM data corrupt - system configuration
- 53 NVM data corrupt - camera alignment calibration
- 54 When EyeQ Power enable status is inactive in the powerup.
- 55 When EyeQ Reset line is inactive in the powerup.
- 56 Internal Camera HW Malfunction
- 57 NVM data corrupt - Precalibrated camera alignment parameters
- 58 MCU CAN Controller faulty
- 59 FLC System has not been calibrated and operation not verified at vehicle assembly plant OR dealership service
- 60 FLC System has not been precalibrated and operation not verified at TRW assembly plant
- 61 UART port faulty
- 63 Whenever IPC protocol upper layer does not get a chance to process the received data or unformatted data received
- 64 Whenever IPC receives data or bytes more than expected
- 65 No response from the Mobileye (ME) within the timeout time or not active
- 66 1. Message sent with invalid checksum. 2. Loss of data in message
- 69 1. Message sent with invalid protocol type. 2. Loss of data in message
- 70 1. Response message sent with an invalid Application ID. 2. Loss of data in message
- 71 1. Response message/frame received with an invalid MESP header. 2. Loss of data in message
- 72 1. First frame indication flag is not set to 1 in a multiframe packet(NFN field). 2.

Loss of data in message

- 77 1. Datagram Message received with Unknown Application ID.\n2. Data Message received with Unknown Function ID.\n3. Loss of data in message
- 80 1. Boot Start-up DDR chip test fails in EyeQ in the power up test.\n2. Loss of data in message
- 81 1. Boot Start-up Flash Memory test fails in EyeQ in the power up test.\n2. Loss of data in message
- 82 1. Camera initialization failed. Most common is due to camera failure or I2C communication error. In remote camera config, that error is usually the result of not obtaining LVDS lock (I2C is transmitted over LVDS). When ME detects this condition it informs the MCU over Rxapplication output message (0x60) (21 = APP_INIT_CAMERA_INIT).when this error code is set, MCU will reset the EyeQ to recover from error
- 83 Unknown failure is detected by ME application at runtime. When ME detects this condition it informs the MCU by sending the fatal error code
- 84 ME couldn't initial the application in power on or switch to applications. When ME detects this condition it informs the MCU by sending the fatal error code
- 85 1. When Mobileye Software version is different from expected.\n2. Loss of data in message
- 86 External watchdog is not serviced by the ME software within the watchdog timeout period OR external electrical interference caused the ME to reset
- 128 1. When Mobileye stops sending the Video signals messages from powerup or during normal running condition.Timeout times:\nA. Power on or reset:No video message received within 12 seconds from power on while EyeQ running Vision mode.\nB. Normal operation:No video message received within 3 seconds normal operation(Runtime).\n2. Loss of data in message
- 129 When no vehicles signals are received by the Mobileye EyeQ for 3 consecutive frames
- 132 1.Boot Start-up BIST test fails at Mobileye Side
- 134 One of the following problems has occurred:\n1.EyeQ overuses the DMA. Usually causes sporadic video errors. In extreme cases can cause frequent video errors.\n2. Camera problem, either with the line or with the camera itself.Usually causes frequent video errors
- 140 I2C for next camera frame must be communicated during a designated time window. Minimal window duration is 12ms, and at most there are 16 I2C messages to be communicated for a single rame in a baud rate of 200Kbits. If any of the transactions failed (e.g.I2C NACK, I2C timeouts, etc') transaction is retried until successful completion. An I2C error is reported iff not all I2C messages were transmitted successfully during the time window. When ME detects this condition it

informs the MCU by setting i2c error bit in Diag message. When this bit is set, MCU will reset the EyeQ.

- 141 High Battery Voltage Faulty internal signal conditioning circuit
- 142 Low Battery Voltage Faulty internal signal conditioning circuit
- 143 External watchdog is not serviced by the software within the watchdog timeout period
OR external electrical interference caused the MCU to reset
- 144 MCU A/D converter faulty
- 145 External watchdog HW device faulty MCU to external watchdog HW interface faulty
- 147 Software design error
- 150 MCU internal RAM cell faulty
- 152 MCU Flash Memory segment containing Bootloader code is corrupt This condition keeps
the module in continuous reset if condition is detected during system initialization
- 153 MCU Flash Memory segment containing Application code is corrupt.If detected at system
initialization, the ECU will remain in the bootloader
- 172 NVM data corrupt - system configuration
- 173 NVM data corrupt - camera alignment calibration
- 176 When EyeQ Power enable status is inactive in the powerup
- 179 When EyeQ Reset line is inactive in the powerup
- 180 Internal Camera HW Malfunction
- 182 NVM data corrupt - Precalibrated camera alignment parameters
- 186 MCU CAN Controller faulty
- 189 FLC System has not been calibrated and operation not verified at vehicle assembly
plant OR dealership service
- 190 FLC System has not been precalibrated and operation not verified at TRW assembly
plant
- 191 UART port faulty
- 192 Whenever IPC protocol upper layer does not get a chance to porcess the received
data or unformatted data received
- 194 Whenever IPC receives data or bytes more than expected
- 195 No response from the Mobileye (ME) within the timeout time or not active
- 196 1. Message sent with invalid checksum. 2.Loss of data in message

1.9 ESP

1.9.1 LE17F ESP

C000111	Drive Axle Traction Control Valve circuit short to ground
C000112	Drive Axle Traction Control Valve circuit short to battery
C000113	Drive Axle Traction Control Valve circuit open
C00014A	Drive Axle Traction Control Valve incorrect component installed
C000155	Drive Axle Traction Control Valve not configured
C000311	Steer Axle Traction Control Valve circuit short to ground
C000312	Steer Axle Traction Control Valve circuit short to battery
C000313	Steer Axle Traction Control Valve circuit open
C00034A	Steer Axle Traction Control Valve incorrect component installed
C000355	Steer Axle Traction Control Valve not configured
C001011	Steer Axle Left Pressure Control Inlet Valve circuit short to ground
C001012	Steer Axle Left Pressure Control Inlet Valve circuit short to battery
C001013	Steer Axle Left Pressure Control Inlet Valve circuit open
C001111	Steer Axle Left Pressure Control Outlet Valve circuit short to ground
C001112	Steer Axle Left Pressure Control Outlet Valve circuit short to battery
C001113	Steer Axle Left Pressure Control Outlet Valve circuit open
C001411	Steer Axle Right Pressure Control Inlet Valve circuit short to ground
C001412	Steer Axle Right Pressure Control Inlet Valve circuit short to battery
C001413	Steer Axle Right Pressure Control Inlet Valve circuit open
C001511	Steer Axle Right Pressure Control Outlet Valve circuit short to ground
C001512	Steer Axle Right Pressure Control Outlet Valve circuit short to battery
C001513	Steer Axle Right Pressure Control Outlet Valve circuit open
C001811	Drive Axle Left Pressure Control Inlet Valve circuit short to ground
C001812	Drive Axle Left Pressure Control Inlet Valve circuit short to battery
C001813	Drive Axle Left Pressure Control Inlet Valve circuit open
C001C11	Drive Axle Left Pressure Control Outlet Valve circuit short to ground
C001C12	Drive Axle Left Pressure Control Outlet Valve circuit short to battery
C001C13	Drive Axle Left Pressure Control Outlet Valve circuit open
C001D11	Drive Axle Right Pressure Control Inlet Valve circuit short to ground
C001D12	Drive Axle Right Pressure Control Inlet Valve circuit short to battery
C001D13	Drive Axle Right Pressure Control Inlet Valve circuit open
C001D11	Drive Axle Right Pressure Control Outlet Valve circuit short to ground
C001D12	Drive Axle Right Pressure Control Outlet Valve circuit short to battery

C001D13 Drive Axle Right Pressure Control Outlet Valve circuit open
 C002352 Stop Lamp not activated
 C002364 Stop Lamp signal plausibility failure
 C003101 Steer Axle Left Wheel Speed Sensor general electrical failure
 C003125 Steer Axle Left Wheel Speed Sensor signal shape / waveform failure
 C003129 Steer Axle Left Wheel Speed Sensor signal invalid
 C00312F Steer Axle Left Wheel Speed Sensor signal erratic
 C003131 Steer Axle Left Wheel Speed Sensor no signal
 C003138 Steer Axle Left Wheel Speed Sensor signal frequency incorrect
 C003154 Steer Axle Left Wheel Speed Sensor missing calibration
 C003401 Steer Axle Right Wheel Speed Sensor general electrical failure
 C003425 Steer Axle Right Wheel Speed Sensor signal shape / waveform failure
 C003429 Steer Axle Right Wheel Speed Sensor signal invalid
 C00342F Steer Axle Right Wheel Speed Sensor signal erratic
 C003431 Steer Axle Right Wheel Speed Sensor no signal
 C003438 Steer Axle Right Wheel Speed Sensor signal frequency incorrect
 C003454 Steer Axle Right Wheel Speed Sensor missing calibration
 C003701 Drive Axle Left Wheel Speed Sensor general electrical failure
 C003725 Drive Axle Left Wheel Speed Sensor signal shape / waveform failure
 C003729 Drive Axle Left Wheel Speed Sensor signal invalid
 C00372F Drive Axle Left Wheel Speed Sensor signal erratic
 C003731 Drive Axle Left Wheel Speed Sensor no signal
 C003738 Drive Axle Left Wheel Speed Sensor signal frequency incorrect
 C003754 Drive Axle Left Wheel Speed Sensor missing calibration
 C003A01 Drive Axle Right Wheel Speed Sensor general electrical failure
 C003A25 Drive Axle Right Wheel Speed Sensor signal shape / waveform failure
 C003A29 Drive Axle Right Wheel Speed Sensor signal invalid
 C003A2F Drive Axle Right Wheel Speed Sensor signal erratic
 C003A31 Drive Axle Right Wheel Speed Sensor no signal
 C003A38 Drive Axle Right Wheel Speed Sensor signal frequency incorrect
 C003A54 Drive Axle Right Wheel Speed Sensor missing calibration
 C004401 Brake Pressure Sensor 1 general electrical failure
 C004501 Brake Pressure Sensor 2 general electrical failure
 C004616 Brake Pressure Sensor 1/2 circuit voltage below threshold
 C004617 Brake Pressure Sensor 1/2 circuit voltage above threshold
 C004619 Brake Pressure Sensor 1/2 circuit current above threshold
 C004629 Brake Pressure Sensor 1/2 signal invalid
 C004654 Brake Pressure Sensor 1/2 missing calibration

C005107	Steering Wheel Position Sensor mechanical failures
C005122	Steering Wheel Position Sensor signal amplitude maximum
C005127	Steering Wheel Position Sensor signal rate of change above threshold
C005149	Steering Wheel Position Sensor internal electronic failure
C005154	Steering Wheel Position Sensor missing calibration
C005155	Steering Wheel Position Sensor not configured
C005164	Steering Wheel Position Sensor signal plausibility failure
C005193	Steering Wheel Position Sensor no operation
C006122	Lateral Acceleration Sensor signal amplitude maximum
C006128	Lateral Acceleration Sensor signal bias level out of range / zero adjustment failure
C006154	Lateral Acceleration Sensor missing calibration
C006164	Lateral Acceleration Sensor signal plausibility failure
C006196	Lateral Acceleration Sensor component internal failure
C00631C	Yaw Rate Sensor circuit voltage out of range
C006322	Yaw Rate Sensor signal amplitude maximum
C006327	Yaw Rate Sensor signal rate of change above threshold
C00632F	Yaw Rate Sensor signal erratic
C006349	Yaw Rate Sensor internal electronic failure
C006355	Yaw Rate Sensor not configured
C006364	Yaw Rate Sensor signal plausibility failure
C006376	Yaw Rate Sensor wrong mounting position
C006392	Yaw Rate Sensor performance or incorrect operation
C006396	Yaw Rate Sensor component internal failure
C006C64	Stability System signal plausibility failure
C008101	ABS Malfunction Indicator general electrical failure
C104601	Axle Load Pressure Sensor general electrical failure
C11104A	Steer Axle Left Pressure Control Valve incorrect component installed
C111055	Steer Axle Left Pressure Control Valve not configured
C111113	Steer Axle Left Pressure Control Valve GND circuit open
C11144A	Steer Axle Right Pressure Control Valve incorrect component installed
C111455	Steer Axle Right Pressure Control Valve not configured
C111513	Steer Axle Right Pressure Control Valve GND circuit open
C11184A	Drive Axle Left Pressure Control Valve incorrect component installed
C111855	Drive Axle Left Pressure Control Valve not configured
C111913	Drive Axle Left Pressure Control Valve GND circuit open
C111C4A	Drive Axle Right Pressure Control Valve incorrect component installed
C111C55	Drive Axle Right Pressure Control Valve not configured
C111D13	Drive Axle Right Pressure Control Valve GND circuit open

C120068	Roller Bench Mode event information
C120168	Stability Sytem Deactivated By Switch event information
C120295	ABS Component Configuration Failure incorrect assembly
C120411	IO3 circuit short to ground
C120412	IO3 circuit short to battery
C120413	IO3 circuit open
C120568	Anti-Lock Brake System Deactivated By Difflock event information
C120668	Offroad ABS Is Activated event information
C120795	Wheel Speed Sensors Interchanged incorrect assembly
C120812	Retarder Relay circuit short to battery
C120814	Retarder Relay circuit short to ground or open
C120907	ABS Valve Installation Or Mechanical Failure mechanical failures
C121111	Central Differential Lock circuit short to ground
C121112	Central Differential Lock circuit short to battery
C121113	Central Differential Lock circuit open
C121468	Pressure Control Valve End Of Life event information
C121568	Traction Control Valve End Of Life event information
C121764	Trailer Pressure Control Valve Plausibility Check signal plausibility failure
C121995	WSS Configuration Failure incorrect assembly
C122112	AUXIO 2 Or 3 circuit short to battery
C200163	Anti-Lock Braking System circuit / component protection time-out
C200164	Anti-Lock Braking System signal plausibility failure
C201011	Add Axle Left Pressure Control Inlet Valve circuit short to ground
C201012	Add Axle Left Pressure Control Inlet Valve circuit short to battery
C201013	Add Axle Left Pressure Control Inlet Valve circuit open
C201111	Add Axle Left Pressure Control Outlet Valve circuit short to ground
C201112	Add Axle Left Pressure Control Outlet Valve circuit short to battery
C201113	Add Axle Left Pressure Control Outlet Valve circuit open
C201411	Add Axle Right Pressure Control Inlet Valve circuit short to ground
C201412	Add Axle Right Pressure Control Inlet Valve circuit short to battery
C201413	Add Axle Right Pressure Control Inlet Valve circuit open
C201511	Add Axle Right Pressure Control Outlet Valve circuit short to ground
C201512	Add Axle Right Pressure Control Outlet Valve circuit short to battery
C201513	Add Axle Right Pressure Control Outlet Valve circuit open
C201811	Trailer Pressure Control Valve circuit short to ground
C201812	Trailer Pressure Control Valve circuit short to battery
C201813	Trailer Pressure Control Valve circuit open
C20184A	Trailer Pressure Control Valve incorrect component installed

C201855 Trailer Pressure Control Valve not configured
 C203101 Add Axle Left Wheel Speed Sensor general electrical failure
 C203125 Add Axle Left Wheel Speed Sensor signal shape / waveform failure
 C203129 Add Axle Left Wheel Speed Sensor signal invalid
 C20312F Add Axle Left Wheel Speed Sensor signal erratic
 C203131 Add Axle Left Wheel Speed Sensor no signal
 C203138 Add Axle Left Wheel Speed Sensor signal frequency incorrect
 C203154 Add Axle Left Wheel Speed Sensor missing calibration
 C203401 Add Axle Right Wheel Speed Sensor general electrical failure
 C203425 Add Axle Right Wheel Speed Sensor signal shape / waveform failure
 C203429 Add Axle Right Wheel Speed Sensor signal invalid
 C20342F Add Axle Right Wheel Speed Sensor signal erratic
 C203431 Add Axle Right Wheel Speed Sensor no signal
 C203438 Add Axle Right Wheel Speed Sensor signal frequency incorrect
 C203454 Add Axle Right Wheel Speed Sensor missing calibration
 C21104A Add Axle Left Pressure Control Valve incorrect component installed
 C211055 Add Axle Left Pressure Control Valve not configured
 C211113 Add Axle Left Pressure Control Valve GND circuit open
 C21144A Add Axle Right Pressure Control Valve incorrect component installed
 C211455 Add Axle Right Pressure Control Valve not configured
 C211513 Add Axle Right Pressure Control Valve GND circuit open
 U001008 Vehicle CAN bus signal / message Failures
 U001081 Vehicle CAN invalid serial data received
 U001087 Vehicle CAN missing message
 U001088 Vehicle CAN bus off
 U012387 Lost Communication With Yaw Rate Sensor Module missing message
 U012687 Lost Communication With Steering Angle Sensor Module missing message
 U101087 Timedate Signal Not Available missing message
 U101088 Timedate Signal Not Available bus off
 U101187 Vehicle Distance Signal Not Available missing message
 U101287 Time/Date Message Timeout missing message
 U101487 High Resolution Vehicle Distance Message Timeout Occurred missing message
 U101687 CAN Message EAC1_SCH Timeout Or Invalid Signal missing message
 U101787 CAN Message ASC1_CLCS Timeout Or Invalid Signal missing message
 U101887 CAN Message VW_CLCS Timeout Or Invalid Signal missing message
 U101987 CAN Message ETC1_TCU Timeout Or Invalid Signal missing message
 U102087 CAN Message ETC2 Timeout Or Invalid Signal missing message
 U102187 CAN Message EEC1_CPC3 Timeout Or Invalid Signal missing message

U102287 CAN Message EEC2_CPC3 Timeout Or Invalid Signal missing message
U102387 CAN Message EEC3_CPC3 Timeout Or Invalid Signal missing message
U102487 CAN Message ERC1_RET Timeout Or Invalid Signal missing message
U102587 CAN Message CCVS_CPC Timeout Or Invalid Signal missing message
U102687 CAN Message TCO1_TCO Timeout Or Invalid Signal missing message
U102787 CAN Message TD_TCO Timeout Or Invalid Signal missing message
U102887 CAN Message AIR1 Timeout Or Invalid Signal missing message
U102987 CAN Message AUXIO Timeout Or Invalid Signal missing message
U103087 Timeout or invalid data on XBR missing message
U300004 Electronic Control Unit system internal failures
U300005 Electronic Control Unit system programming failures
U300041 Electronic Control Unit general checksum failure
U300044 Electronic Control Unit data memory failure
U300046 Electronic Control Unit calibration / parameter memory failure
U300049 Electronic Control Unit internal electronic failure
U300061 Electronic Control Unit signal calculation failure
U300316 Battery Voltage circuit voltage below threshold
U300317 Battery Voltage circuit voltage above threshold
U30031C Battery Voltage circuit voltage out of range